

Subject Index For Volume 27

- Acetate
a. buffered solutions made in France (abst) 182
a. inhibits KCl-stimulated Ca influx in rat (abst) 176
 antagonizes vasoconstriction by adrenergic agonists
 (abst) 176
 comparison of *a.* tolerant or intolerant patients
 (abst) 161
 comparison with bicarbonate as dialysate (abst) 168
 effect on HD hemodynamics in non-anesthetized model
 (abst) 168
 effect on left ventricular function in HD 768
 inappropriate metabolism of *a.* in HD (abst) 174
 sclerosing peritonitis on CAPD: *a.* vs. lactate 183
- Acetazolamide
 acidification 25
 inhibits exocytosis in turtle bladder (abst) 280
- Acid handling
 surface nephron *a.h.* during acidosis (abst) 278
- Acid loading, oral
 effect of amiloride on total CO₂ absorption (abst) 284
- Acid-base balance
 factors influencing *a.-b.b.* during IPD (abst) 184
- Acid-base disorders
 total parenteral nutrition, Editorial Review on 489
- Acid-base equilibrium
 chronic hypercapnia 538
- Acidemia
 anion gap, Nephrology Forum on 472
- Acidification
 cyclic AMP 25
 role of HCO₃ and PCO₂ in rabbit (abst) 278
 voltage regulation of carbonic anhydrase (abst) 287
- Acidification defect
 in obstruction uropathy 287
- Acidosis
 and volume expansion in hyporenin/hypoaldosteronism
 (abst) 285
 prior potassium depletion and *a.* changes in plasma
 (abst) 290
 acute *a.*
 effect on phosphate transport (abst) 121
 lactic *a.*
 amelioration of *l.a.* by *r.a.* or *m.a.* (abst) 130
 anion gap, Nephrology Forum on 472
 effect of NaDCA in hypoxic *l.a.* in rats (abst) 152
 effects of NaHCO₃ therapy (abst) 139
 metabolic *a.*
 amelioration of lactic *a* by *m.a.* (abst) 130
 ammonia production by proximal tubules (abst) 286
 and insulin-mediated protein turnover (abst) 274
 effect on surface calcium (abst) 110
 effect on vitamin D synthesis (abst) 120
 effects of vitamin D on calcium and phosphorus ab-
 sorption (abst) 115
 glutamate dehydrogenase and ammonia formation
 (abst) 270
 in mineralocorticoid-resistant renal hyperkalemia
 (abst) 149
 measurement of renal pH by 31P NMR (abst) 277
 reduction of insulin binding (abst) 284
 side effect of cyclosporine (abst) 349
- organic *a.*
 and hyperkalemia (abst) 148
 pseudo-distal renal tubular *a.*
 due to laxative abuse (abst) 152
- respiratory *a.*
 amelioration of lactic *a.* by *r.a.* (abst) 130
 effect on bone composition (abst) 110
 effect on intracellular pH in proximal tubule (abst) 290
 influence on urinary calcium excretion (abst) 110
 surface nephron handling of acid (abst) 278
- Acquired Immune Deficiency Syndrome (AIDS)
 AIDS associated with nephropathy (abst) 150
- Acyclovir
 effects on canine renal function (abst) 232
- Adenine nucleotide metabolism
 effects of verapamil after warm ischemia in kidney
 (abst) 229
- Adenosine
 action on conductivity in rabbit cortical collecting tu-
 bule (abst) 325
 mediator in renal hemodynamics (abst) 291
 receptors in renal tubules 255
- Adenylate cyclase
 action of vasopressin and forskolin (abst) 333
 effect of renal α 2-adrenoceptor 262
 effects of K deficiency and vasopressin (abst) 327
 regulation in rectal gland of shark (abst) 312
- Adenylate levels
 effects of anoxia in thick ascending limb (abst) 271
- Adipocytes
 postbinding defects of insulin action 780
- Adrenalectomy
 and glucocorticoid replacement in loop of Henle (abst) 322
- Adrenergic dysfunction
 in uremia (abst) 247
- α 2-adrenergic action
 inhibition of fluid absorption in proximal tubules (abst) 333
- α 2-adrenergic agonist
 enhances Na-H antiport (abst) 317
- α 2-adrenoceptor
 depends on adenylate cyclase system activation (abst) 262
 effects on renal vascular function (abst) 301
 in isolated single nephron segments (abst) 268
 renal tubular postsynaptic and extract synaptic (abst) 266
- β adrenergic blockers
 increased serum K, combined with Ca channel
 blockers (abst) 142
- β adrenergic stimulation
 effect on glomerular hemodynamics (abst) 298
- Aging
 effect on lysosome absorption and proteinase activity
 (abst) 331
 physiological modifications in rat kidney (abst) 329
- Agglutinin, wheat germ
 effect on function of isolated perfused kidney (abst) 213

- Alanine
 amiloride inhibits transport in BBM (abst) 310
 vasorelaxant effects of (abst) 159
- Albumin
 activities in perfused proximal tubule (abst) 331
 excretion of (abst) 94
 influence of ultrafiltration barrier (abst) 294
- Albuminuria
 effect of reduced dietary protein intake (abst) 141
 effects of lower arterial pressure in diabetes (abst) 252
- Alcoholism, in rat
 balance of calcium and phosphate (abst) 115
- Alcoholization
 ultrasonically guided fine-needle *a.* (abst) 98
- Aldosterone
 atypical action in target tissues (abst) 310
 colonic *a.* receptor 265
 effect on 3H-phenamil binding in toad bladder (abst) 308
 effect on Na and K excretion (abst) 323
 extra-renal role in potassium intake (abst) 258
a.-induced proteins by chromatography (abst) 306
 modulation of Na-K-ATPase by dietary K⁺ (abst) 308
 potassium excretion, Editorial Review on 379
 potassium-*a.* axis in dogs with chronic renal insufficiency (abst) 242
 reduced by synthetic atrial natriuretic factor (abst) 202
 role in potassium secretion 886
 role of angiotension II in sodium retention (abst) 318
 transepithelial transport (abst) 51
 plasma *a.*
 effect of dopaminergic blockade (abst) 143
- Alkalemia, severe
 anion gap, Nephrology Forum on 472
- Alkalinization
 by depolarization of tubules in tiger salamander (abst) 288
 myeloma nephrotoxicity (abst) 46
- Alkalinization, luminal
 VIP is messenger for cAMP-dependent *l.a.* (abst) 278
- Alkalosis
 citrate reabsorption and utilization (abst) 271
 chloride depletion *a.*
 chloride as remedy (abst) 279
 gastric *a.*
 renal concentrating defect (abst) 284
 metabolic *a.*
 ADH (abst) 598
 bicarbonate secretion by distal nephron (abst) 281
 chronic and acute renal tubular biochemistry in dog 908
 glutamine (abst) 602
 medullary bicarbonate gradients (abst) 281
 morbidity and mortality of in hosp. patients (abst) 131
 role of cortical and medullary collecting tubules
 (abst) 102
 role of GRF (abst) 102
 role of proximal tubular bicarbonate reabsorption
 (abst) 102
 symposium introduction (abst) 101
- Alkalosis, respiratory
 morbidity and mortality of in hospitalized patients
 (abst) 113
- Allograft
 morphological changes 800
- Allograft, irradiated spleen
 effector cells (abst) 595
- Allograft, renal
 de novo membranous glomerulonephropathy (abst) 224
 phenotypic identification of lymphocytes (abst) 206
 pregnancy (abst) 74
 T cells, Technical Note on 469
 cadaveric *r.a.*
 presensitization by flow cytometry (abst) 337
 rejection of *r.a.*
 causal role of thromboxane (abst) 257
 diagnosis by urinary assay for antigen (abst) 351
 findings of sequential renal biopsies (abst) 341
 humoral, clinico-pathologic correlation (abst) 350
 insidious rejection in long-term *a.* recipients (abst) 347
 outbreak of *Legionella pneumophila* after drug therapy (abst) 830
 thromboxane as indicator (abst) 257
 treatment with orthoclone OKT*3 (abst) 341
 value of eosinophilia (abst) 346
- Alloimmune memory cells
 activation by recombinant interleukin-2 receptor (abst) 350
- Allopurinol
 effects on ischemic injury to tubules (abst) 239
- Alport's syndrome
 genetic heterogeneity of 672
 hereditary nephritis, Nephrology Forum on 83
 segregation analysis of 672
- Aluminum
 biological effects on perfused bone (abst) 116
 bone *a.* content (abst) 706
 carbon filters as a source of *a.* in water treatment
 (abst) 167
 causes osteomalacia and osteopenia (abst) 161
 effects of i.p. and i.v. desferrioxamine during CAPD
 (abst) 180
 effects on PTH (abst) 109
 in bone of HD patients (abst) 114
 increased bone *a.* deposition after PTX 785
 influence on induction of hypocalcemia (abst) 125
 parathyroidectomy (abst) 426
 role in calcium absorption and vitamin D balance (abst) 120
 serum levels after desferrioxamine (abst) 706
 stainable bone *a.* after PTHx in dialysis patients (abst) 159
 urate lithiasis in HD patients (abst) 830
 vitamin D3 metabolism (abst) 599
a. absorption
 influence of vitamin D (abst) 108
a. excretion
 role of vitamin D (abst) 111
a. toxicity
 connection with microcytic anemia (abst) 128
 role of hypocalcemia (abst) 121
 role in osteomalacia (abst) 114
- Ambystoma tigrinum*
 intracellular alkalization (abst) 288
- Amiloride
 and Na transport in rat colon (abst) 263
 and Na-H antiporter in LLC-PK cells 285
 binding of 3H bromobenzamil in kidney cortex (abst) 313
 effect of acid loading and *a.* on total CO₂ absorption
 (abst) 284
 effect on Na-H exchange (abst) 316
 effects on HCO₃ reabsorption in rat (abst) 281
 effects on sodium uptake (abst) 285
 effects on transepithelial potential difference 842
 inhibits Na-glucose and alamine (abst) 310

- regulation of Cl transport in cortical collecting tubule (abst). 321
- role in potassium secretion 886
- site of action in rat distal convoluted tubule (abst) 112
- Amino acid
- CAPD improves intracellular *a.a.* levels (abst) 182
- effect of i.v. infusion in human hemodynamics (abst) . . 243
- effect on GFR, oxygen uptake, and Na⁺ reabsorption (abst). 272
- effect on reabsorption of bicarbonate and phosphorus . . 951
- effect on renal function (abst) 300
- influence of cAMP on *a.a.* accumulation (abst) 113
- ketoanalogues of *a.a.* as treatment of uremia (abst) 829
- normal concentration and basolateral transport (abst) . . 232
- a.a.* branch chained
- metabolism in CRF (abst) 249
- Amino acid uptake
- role of chloride in BBM (abst) 324
- through basolateral membrane (abst) 276
- Aminoglycoside
- nephrotoxicity (abst) 705
- Aminoglycoside antibiotic
- value of a restrictive policy (abst). 138
- Aminoglycoside therapy
- TEM of urinary sediment (abst) 233
- Amino-peptidase
- renal brush border *a-p.* by monoclonal antibody (abst) . 276
- Ammonia
- and bicarbonate transport by rat cortical collecting ducts (abst). 282
- and glutamate dehydrogenase during acute metabolic acidosis (abst). 270
- excretion during acute and chronic metabolic alkalosis . 908
- production in proximal tubules, effects of metabolic acidosis (abst). 286
- role of lactate metabolism in dog (abst) 272
- urinary excretion 652
- Ammoniogenesis
- effect of adrenal steroids (abst). 271
- LLC-PK, cells exposure to oxygen and effect on *a.* (abst). 271
- measurement of renal pH by ³¹P NMR (abst) 277
- prostaglandins inhibit via intracellular effect (abst) . . . 283
- Ammonium
- interaction with bicarbonate flux (abst). 280
- Amphiuma
- electical heterogeneity in *a.* proximal tubule (abst) . . . 309
- Amphotericin B
- nephrotoxicity of, rapid vs. slow i.v. administration (abst). 237
- peritoneal ultrafiltration is increased by *a.* (abst) 182
- Amyloidosis
- abdominal fat tissue aspirate (abst). 830
- case of Muckle and Wells syndrome (abst) 829
- generalized *a.*
- in regular dialysis treatment (abst) 830
- primary renal *a.*
- presenting as nephrotic syndrome (abst). 132
- renal *a.*
- complicates psoriatic arthritis (abst) 828
- study by immunofluorescence (abst) 830
- transplantation as treatment (abst) 828
- Analgesic toxicity
- and relation to indomethacin (abst). 228
- Anaphylatoxin
- release and leukopenia during cool hemodialysis (abst). 167
- Anastomosis, pancreatic duct
- transplantation (abst). 595
- 9-anthroic acid
- modifies urinary bicarbonate secretion (abst). 286
- Anemia
- of uremia, influence of CAPD (abst). 183
- microcytic *a.*
- connection with aluminum toxicity (abst) 128
- renal *a.*
- role of erythropoietin (abst). 101
- Angio access
- comparison of autogenous fistula vs. prosthetic grafts (abst). 142
- Angioplasty
- Nephrology Forum on Renovascular hypertension . . . 812
- Angiotensin
- localization by RNA-DNA dot blot hybridization (abst) 266
- Angiotensin II
- acute hypertension. 31
- affects contractile response and PGE₂ synthesis (abst) . 256
- and decreased vascular responsiveness (abst) 187
- degradation by isolated glomeruli (abst) 253
- de nova formation and renin secretion (abst) 263
- effect on Ca²⁺ levels in mesangium (abst) 323
- effects on glomerulus (abst). 299
- functional interaction with PGI₂ (abst) 270
- hemodynamics effects in chronic partial ureterial obstruction (abst) 293
- inhibition of renal nerve activity in conscious dogs (abst). 197
- intracellular messengers (abst) 114
- microcirculation of glomerular capillaries (abst). 17
- modulation of *a.* receptors in glomerulonephritis (abst). 222
- Na-H antiport in proximal tubular cell mediated by PGE₂ (abst). 254
- non-receptor mediated degradation (abst). 269
- pressor response in SHR, with calcium and sodium (abst). 195
- receptor alterations during pregnancy (abst). 254
- receptor coupling to nucleotide regulatory unit (abst) . . 253
- receptor after administration in cirrhotic rats (abst). . . 262
- response in pregnant rat (abst) 294
- role in aldosterone-induced sodium retention (abst). . . . 318
- a.* channels
- basolateral *a.c.* in rabbit epithelium (abst) 310
- a.* exchange
- presence in luminal and basolateral membranes (abst). 335
- a.* gap, urine
- ketoacidosis (abst) 599
- a.* sites
- altered GBM *a.s.* in nephrotic syndrome (abst) 217
- loss in GBM in acute serum sickness nephritis (abst) 219
- surface *a.s.* of peritubular capillaries (abst) 215
- a.* transport
- in rat basolateral membrane (abst) 328
- Anoxia
- cell injury in proximal tubule (abst) 275
- effects on adenylate levels and K uptake in thick ascending limb (abst). 271
- increases Ca influx in rat nephron segments (abst) 237
- Anoxic injury
- indomethacin improves renal medullary function (abst). 228
- Anti-aldosterone

- action in dogs with ascites (abst) 257
 Anti-renin
 action in dogs with ascites (abst) 257
 Anti-tubular basement membrane disease
 isolation of nephritogenic tubular antigen (abst)..... 208
 Antibody
 anticytoplasmatic (ACPA) (abst)..... 704
 anti-DNA *a.* role with murine lupus nephritis (abst) ... 221
 anti-GBM *a.*, effects of age, sex and diet on glomerular
 reabsorption (abst)..... 247
 anti-thymocyte *a.* (abst)..... 703
 bind to lamina rarae and induce proteinuria (abst)..... 218
 chemiluminescence assay (abst) 595
 cross-reactivity of anti-DNA *a.* (abst)..... 703
 deposition in left and right kidney (abst) 300
 glomerulonephritis induced by anti-endothelial *a.* (abst) 217
 Hepatitis-B (HBsAb) and T cells (abst) 150
 induced redistribution of Heymann's antigen (abst).... 207
 influence on glomerular injury in anti-GMB nephritis .. 938
 marker for Wegener's granulomatosis (abst) 225
 monoclonal heterogeneity of the antigen antibody sys-
 tem (abst) 221
 monoclonal anti-DNA *a.* bind to antigens (abst) 216
 nephritogenic potential to GBM constituents (abst) ... 209
 transfer of anti-GBM nephritis by plasma anti-GMB *a.*
 (abst)..... 223
 vasopressin (abst) 597
 monoclonal *a.*
 brush border amino-peptidase (abst)..... 276
 graft tolerance produced an anti-interleukin-2 recep-
 tor (abst)..... 349
 interaction with vasopressin (abst) 336
 lymphocyte activation antigen (abst)..... 594
 study of Na⁺-K⁺-ATPase (abst) 303
 study of puromycin aminonucleoside nephrosis (abst) 219
 Antidiuresis, maximal
 in chronic primary glomerulonephritis (abst) 279
 Antigen
 autologous tubular suppressor T cell mediates toler-
 ance (abst) 215
 diagnosis for rejection by urinary assay (abst)..... 351
 effect of *a.* charge on glomerulonephritis (abst)..... 212
 effect of charge on immune complex and eicosanoid
 (abst)..... 220
 effect of discontinuation of *a.* injections with serum
 sickness glomerulonephritis (abst)..... 248
 environmental, in IgA nephropathy (abst) 210
 GP600 cross reacts with Heymann nephritis (abst) 223
 Hepatitis-B (HBsAg) and T cell subsets (abst)..... 150
 heterogeneity of the *a.* antibody system (abst)..... 221
 human lymphocyte function-associated *a.* (abst) 215
 in experimental autoimmune glomerulonephritis (abst) . 208
 in rat serum that cross reacts with Heymann nephritis
 (abst)..... 223
 influence on mediation of immunological glomerular
 injury 938
 kidney *a.* (abst) 703
 lymphocyte activation *a.* monoclonal antibody (abst) .. 594
 MHC *a.*, distribution in human and rat kidney 616
 monoclonal anti-DNA antibodies bind and deposit
 (abst)..... 216
 non-MHC renal endothelia *a.* (abst) 704
 plasma membrane formation of immune complexes,
 Heymann glomerulonephritis (abst)..... 207
 to diagnose proximal tubular injury by urinary assay
 (abst)..... 151
 brush border-related *a.*
 immunopathological significance (abst) 221
 carcinoembryonic *a.*
 levels in HD and TX patients (abst) 352
 nephritogenic tubular *a.*
 producing anti-tubular basement membrane disease
 (abst)..... 208
 Antihypertensive drugs
 and sodium restriction: effects on renal function (abst) . 193
 Antihypertensive therapy
 to treat nephrotoxic serum nephritis (abst)..... 248
 Anti-interleukin-2 receptor
 produced by graft tolerance (abst) 349
 Antinutrition
 effects on metabolite of corticosterone (abst)..... 258
 Antiporters
 and enhanced Na-H antiport activity of BBM (abst) .. 281
 Anti-renin
 action in dogs with ascites (abst) 257
 Anti-thymocyte globulin (ATG)
 in secondary proliferative glomerulonephritis (abst).... 338
 rejection treatment with cyclosporine (abst)..... 338
 Aprotinin
 kallikrein (abst) 572
 Arachidonic acid
 alters renal hemodynamics in dog (abst)..... 299
 role in oxidative metabolism (abst)..... 253
 stimulates vasopressin secretion in vitro (abst) 255
 Arachidonic acid metabolism
 involvement of oxygen radical (abst) 232
 Arginine vasopressin
 effect in hypothyroid rat tubules (abst)..... 328
 effect on flow rate and hydraulic conductivity (abst) ... 325
 effect on vasa recta blood flow (abst) 301
 pertussis toxin reverses PGE₂ inhibition (abst) 252
 Arterial pressure
 effects on glomerular hypertension and albuminuria in
 diabetes (abst) 252
 Arterioles, afferent
 microdissected and measured for renin in rabbit 762
 Arteriosclerosis, hyaline
 and focal segmental glomerulosclerosis (abst) 216
 Arthritis, psoriatic
 complicated by renal amyloidosis (abst)..... 828
 Artificial organs, heart
 renal function in calves with *a.* heart (abst)..... 236
 Ascites
 anti-renin/anti-aldosterone actions in dogs (abst) 257
 deterioration in non-azotemic patients (abst) 149
 Aspiration
 abdominal fat tissue to detect amyloidosis (abst)..... 830
 Assay, chemiluminescence
 antibodies (abst)..... 595
 Atheroembolic renal disease
 causes hypocomplementemia (abst) 136
 ATP
 dependent intracellular pH regulation (abst)..... 291
 glycolysis and membrane integrity in LLC-PK₁ cells
 (abst)..... 236
 ATP synthesis
 and oxygen consumption and Na reabsorption (abst) .. 273
 ATPase activity
 DCCD-sensitivity in proximal and distal segments
 (abst)..... 285

- Atrial natriuretic factor**
 actions on dogs with caval constriction and ascites (abst) 257
 an overview (abst) 104
 effect in newborn puppies (abst) 308
 effect in SHR (abst) 295
 effect on kidney function and renin-aldosterone system (abst) 316
 effect on renal hemodynamics (abst) 105
 effects in pregnant rat (abst) 314
 effects on renal function and renin release (abst) 305
 effects on renal tubules (abst) 105
 hemodynamic and natriuretic effects (abst) 317
 inhibition by haloperidol (abst) 261
 inhibits Na-coupled solute reabsorption (abst) 306
 reduces BP and aldosterone in hypertension (abst) 202
 renal action mechanism (abst) 258
 role in tubular capacity for phosphate reabsorption (abst) 117
 structural and functional properties, Editorial Review on 607
 study of the vascular mechanism (abst) 197
- Atriopeptin**
 natriuresis depends on renal vasodilation (abst) 194
 spasmolytic and natriuretic properties (abst) 104
 stimulates chloride in shark rectal gland (abst) 265
 stimulates shark rectal gland secretion (abst) 266
- Atriopeptin III**
 intra renal effects during perfusion (abst) 311
- Auriculin**
 effect on kidney function and renin-aldosterone system (abst) 316
- Autograft**
 parathyroid growth and function in HD patients (abst) 118
- Autoimmune**
 studies of experimental *a.* glomerulonephritis (abst) 224
- Autoradiography**
 studies of solute transport in toad bladder 726
- Autosomal dominant inheritance**
 renal magnesium wasting (abst) 707
- Autotransplantation**
 cyclosporin (abst) 593
- Azathioprine**
 autopsy findings in renal transplants (abst) 351
 lymphocyte functions in *a.* treatment (abst) 343
 treatment of renal transplants (abst) 341
- Azathioprine-prednisone**
 zinc metabolism in treatment (abst) 345
- Azotemia**
 in sodium restricted rat (abst) 298
- B cell**
 extracellular material and *b.c.* in SLE (abst) 208
- Backfiltration**
 effect with highly permeable membranes (abst) 171
- Balance study**
 sodium (abst) 497
- Barium**
 Ba^{++} and sensitivity of K^{+} channels in thick ascending limb (abst) 309
- Baroreceptor**
 ethanol impairs human function (abst) 196
- Bartter syndrome**
 effects of enalapril (abst) 706
- Basement membrane components**
 collagenous and noncollagenous in non-amyloid light chain disease (abst) 219
- Basolateral membrane**
 amino acid uptake dependent on hormones (abst) 276
 $Cl-HCO_3$ exchange (abst) 282
 effects of different inhibitors (abst) 124
 fasting and citrate uptake (abst) 277
 KCl transport in vesicles (abst) 307
 organic anion transport (abst) 328
 phosphate transport across (abst) 124
 presence of anion exchanger (abst) 335
 water permeability in cortical collecting duct (abst) 334
- b.* transport**
 maintaining normal amino acid concentration (abst) 232
- Bence Jones protein**
 hypercalcemia increases nephrotoxicity (abst) 238
- Benzyl alcohol**
 effects on enzyme and transport system (abst) 324
- Bicarbonate**
 and regulation of acidification in cortical collecting tubule (abst) 278
- Bicarbonate**
 anion gap, Nephrology Forum on 472
 compared with acetate as dialysate (abst) 168
 cyclic AMP (abst) 25
 D-lactate, and L-lactate balance in IPD (abst) 184
 effect of amino acid on reabsorption 951
 effects in HD on left ventricular function 768
 inhibition of succinate dehydrogenase (abst) 275
- b.* absorption**
 effect of chloride transport (abst) 304
 effects of chronic hyperparathyroidism (abst) 118
- b.* flux**
 in cortical collecting ducts from DOC-treated rabbit (abst) 282
 interaction with ammonium (abst) 280
- b.* gradients**
 medullary *b.g.* during metababolic alkalosis (abst) 281
- b.* reabsorption**
 effect of amino acid 951
 in collecting tubules with obstructed kidneys (abst) 284
 in rat with low k diet (abst) 279
- b.* secretion**
 by distal nephron during metabolic alkalosis (abst) 281
 cAMP stimulated in cortical collecting tubules (abst) 288
 modification by cAMP and 9-anthroic acid 286
 role in chloride exchange (abst) 289
- b.* transport**
 and ammonia by rat cortical collecting ducts (abst) 282
 by amphibian nephron (abst) 291
- Biliary diversion**
 for removal of uremic toxins (abst) 243
- Bilirubin**
 sodium, water, and urea transport (abst) 51
- Bioassay**
 to determine effects of ischemia (abst) 262
- Biopsy, bone**
 end-stage renal disease (abst) 574
 parathyroidectomy (abst) 426
- Biopsy, kidney**
 in diagnosis and management of renal disease (abst) 135
- Biopsy, needle**
 renal graft recipients (abst) 596
- Biopsy, renal**
 children 442

- crescentic glomerulonephritis in 50 children (abst) 450
 Heymann nephritis (abst) 388
 membranoproliferative glomerulonephritis (abst) 93
 proliferative glomerulonephritis (abst) 94
 to determine allograft rejection (abst) 341
 ultrasound-guided percutaneous *r.b.*, Technical Note
 on 80
 Biopsy, renal allograft
 prognostic value (abst) 597
 Blood flow
 organ *b.f.* and cyclosporin (abst) 594
 untapped reserve for dialysis (abst) 176
 renal *b.f.*
 decreased after cyclosporine infusion (abst) 346
 effect of dopamine on sheep (abst) 297
 effects by imidazole and indomethacin 892
 effects of MK421 in rat (abst) 297
 vasa recta *b.f.*
 effect of arginine vasopressin (abst) 301
 Blood pressure
 and impaired urinary concentration mechanism 792
 effects of diet and weight in rats (abst) 193
 effects of dietary sodium and calcium (abst) 200
 effects of long- and short-term dietary changes (abst) 202
 elevations in kidney donors after uninephrectomy
 (abst) 190
 essential hypertension (abst) 97
 hypertension (abst) 96
 linoleic acid improves *b.p.* in rat (abst) 244
 Nephrology Forum on renovascular hypertension 812
 Blood transfusion
 and cytomegalovirus infectious (abst) 596
 Bone density
 role of diet in spontaneously hypertensive rat (abst) 122
 Bone disease
 in children on CAPD (abst) 142
 Bone formation
 parathyroidectomy (abst) 426
 Bone GLA-protein
 interrelation with PTH and VTD in renal failure (abst) 137
 Bowel
 function with cyclosporin (abst) 593
 Bowman's capsule
 crescentic glomerulonephritis in 50 children (abst) 450
 Bowman's space pressure
 intra-animal coefficients for variation 871
 Bradykinin
 cortical-Interstitial cell induce sensitivity 255
 effect on Na and K transport (abst) 321
 increases release of inositol polyphosphates in renal
 papillary collecting tubule (abst) 265
 inhibits ADH-induced fluid absorption in rabbit cortical
 collecting tubule (abst) 264
 role in renal oxidation metabolism (abst) 253
 Brain mitochondria
 uremia (abst) 523
 Brush border membrane
 amiloride inhibits Na-glucose and alanine to transport
 (abst) 310
 amino-peptidase by a monoclonal antibody (abst) 276
 antigen related activity, immunopathology (abst) 221
 effect of phlorizin on fluorescence of BBM (abst) 329
 effect of triiodothyronine (abst) 277
 effects of Ca on transport (abst) 315
 effects of lithium on sodium uptake (abst) 285
 enhanced Na-H antiport (abst) 281
 fasting and citrate uptake (abst) 277
 H⁺/OH⁻ permeability 283
 Na-dependent phlorizin receptors (abst) 334
 organic base transport (abst) 330
 phosphate transport across 879
 role of chloride in amino acid uptake (abst) 324
 study of *b.b.* water and urea transport (abst) 336
Bufo marinus
 bilirubin (abst) 51
 Calcinosis, vascular
 risk factors for HD patients (abst) 828
 Calcitonin
 magnesium/calcium urinary excretion (abst) 394
 Calcitriol
 for secondary hyperparathyroidism (abst) 168
 Calcium
 activated K⁺ channels in thick ascending limb (abst) 309
 anoxia increases influx in rat nephron (abst) 237
 calcitonin (abst) 394
 cerebral mitochondrial concentrations (abst) 523
 changes induced by *c.* may be due to magnesium (abst) 203
 chronic uremia (abst) 523
 CO₂ causes exocytosis by increasing *c.* (abst) 290
 CO₂ stimulation of H⁺ secretion (abst) 280
 conservation and deprivation as evidence for loop of
 Henle adaption (abst) 129
 deprivation causes of secondary hyperparathyroidism
 (abst) 169
 excretion and calcitonin (abst) 394
 effects of dietary *c.* on blood pressure (abst) 200
 effects of PTH on myocardial energy metabolism 718
 effects of vitamin D on *c.* handling 864
 hypertension (abst) 96
 hypertension (abst) 96
 in post-ischemic acute renal failure 234
 ionizable plasma *c.* disassociation from thiazides (abst) 202
 metabolism and hypertension (abst) 199
 metabolism in renal cortex 774
 radioccontrast-induced reductions, Technical Note on 465
 role in cAMP synthesis in medullary collecting tubule
 (abst) 335
 role in renin secretion by renal nerve stimulation (abst) 254
 swelling increases *c.* in toad bladder (abst) 305
 vasopressin and angiotensin II levels in mesangium
 (abst) 323
c. antagonist
 effect on mesangial prostaglandin production (abst) 259
 post-ischemic acute renal failure in dogs (abst) 235
c. carbonate
 as a phosphate binder in children on dialysis (abst) 185
 as phosphorus binder in dialysis (abst) 173
 Ca²⁺-ATPase
 activity in human hypertension (abst) 196
 regulation in basolateral membrane of rat (abst) 128
c. channel blocker
 effects on blood pressure, renin and nervous systems
 (abst) 195
 enhances extrarenal K disposal (abst) 320
 increased serum K (abst) 142
 protection from ARF (abst) 233
c. deficiency
 role in SHR (abst) 200
c. entry

- and sodium excretion in perfusion (abst) 307
- c. entry blockade
 - effects in healthy subjects (abst) 194
- intracellular c.
 - regulation in renal cells (abst) 126
- c. ion
 - detects inhibition of calcium oxalate mineralization (abst) 134
 - effect on cAMP concentration in thick ascending limb and collecting tubule (abst) 335
 - ionophores accumulation induced by ischemia 234
- c. malabsorption
 - effect of chlorathalidone (abst) 116
- c. metabolism
 - dietary NaCl as a determinant in Dahl S rats (abst) .. 194
 - effects of dialysis modalities, in children (abst) 181
- c. nephrothiliasis
 - risk factors during pregnancy (abst) 144
- c. oxalate
 - mineralization, use of Ca^{++} ion electrode with (abst) 134
- c. oxalate monohydrate
 - and supersaturated uremic serum (abst) 251
- c. reabsorption
 - role of thiazides in turtle bladder (abst)..... 125
- c. supplementation
 - effects on blood pressure, renin and nervous system (abst) 195
- c. transport
 - effects in BBM (abst) 315
 - relationship with chloride transport in frog skin (abst) 130
- c. uptake
 - abnormalities in uremic rats (abst) 115
- Calciuria
 - effect of PTX (abst) 230
- Calelectrin
 - immunocytochemical localization in tissue (abst) 126
- Capillary
 - glomerular c. ultrafiltration, acute hypertension (abst) .. 31
 - c. function
 - with cationic DEAE-3H-Dextran (abst) 301
 - glomerular c.
 - angiotensin II 17
 - peritubular c.
 - surface anionic sites (abst) 215
- Captopril
 - antihypertensive effect (abst) 97
 - antihypertensive effects of in dialysis (abst) 189
 - diagnostic value for renal disease (abst) 199
 - effect in SHR (abst) 299
 - effects on excretion of saline load in patients (abst) ... 199
 - effects on hemodynamics and hippuran excretion (abst) 193
 - increases renal blood flow in hypertensives (abst) 339
 - monotherapy in hemodialysis patients (abst) 160
 - Nephrology Forum on renovascular hypertension 812
 - renal function during cisplatin treatment (abst) 236
 - to separate hypertension patients (abst) 203
 - treatment in hypertensive renal transplant recipients (abst) 343
- Carbamoylation
 - of plasma proteins in CAPD and HD (abst) 181
- Carbon
 - C3
 - binding and release of fragments from soluble IgG125 (abst) 224
 - activation in IgA nephropathy (abst) 226
 - demonstration of receptors on glomerular cells (abst) 214
 - ^{14}C -labeled sucrose
 - transport across toad bladder 726
 - ^{14}C -labeled urea
 - transport across toad bladder 726
- Carbon dioxide
 - causes exocytosis by increasing calcium in epithelium (abst) 290
 - effect of acid loading and amiloride (abst) 184
 - effects of acid loading and amiloride on absorption (abst) 284
 - stimulation of H^+ secretion (abst) 280
- P_{CO_2}
 - and regulation of acidification in rabbit (abst) 278
 - change of luminal pH and HCO_3 in intracellular pH (abst) 287
 - significance of negative urine-blood P_{CO_2} gradient (abst) 283
- Carbon filters
 - as source of aluminum in water treatment (abst) 167
- Carbonic anhydrase
 - cells in turtle bladder, role in HCO_3 secretion (abst) ... 289
 - HCO_3 reabsorption, effects of ethoxzolamide (abst) ... 290
 - proximal fluid reabsorption and inhibition (abst) 311
 - voltage regulation, acidification (abst) 287
- Carcinoma, cell
 - renal metabolism and chemicals (abst) 275
- Cardiac homotransplantation
 - sodium bicarbonate (abst) 593
- Cardiac output
 - alterations in renal vasoactive hormonal systems (abst) 293
- Cardiovascular system
 - total parenteral nutrition, Editorial Review on 489
- Carnitine
 - HD in CRF does not produce depletion 170
- Catechol
 - abnormal production in transplant recipients (abst) ... 203
- Catecholamine
 - β catecholamine
 - and cAMP system in proximal tubule (abst) 261
 - potassium excretion, Editorial Review on 379
 - renin activity in CAPD (abst) 181
- Catheter
 - central venous for access in children (abst) 175
 - indwelling peritoneal (abst) 95
 - low failure with curved peritoneal dialysis c. (abst) ... 186
 - peritoneal c. complications and survival (abst) 178
 - placement of c. using introducer with peelaway sleeve (abst) 185
 - Tenckhoff drainage problems abolished with placement (abst) 186
- Cation transport
 - effect of cisplatin in cortex (abst) 228
- Cationic DEAE-3H-Dextran
 - and glomerular capillary function (abst) 301
- Cationic molecules
 - movement across glomerular walls (abst) 292
- Cells
 - composition
 - response to therapy in glomerulonephritis (abst) 141
 - cortical interstitial c.
 - induces sensitivity to bradykinin (abst) 255
 - distal c.
 - isolation by immunoadsorbent chromatography (abst) 276
 - effector c.

- irradiated spleen allograft (abst) 595
- endothelial *c.*
lipoproteins alter balance of plasminogens (abst) 213
- epithelial *c.*
anoxic injury to (abst) 106
- glomerular *c.*
demonstration of C3 receptors 214
effects of β -D-xyloside on Golgi apparatus (abst) 214
- glomerular epithelial *c.*
redistribution of Heymann's antigen (abst) 207
- c.* injury
in anoxia in rabbit proximal tubule (abst) 275
- renal tubular *c.* injury
involvement of oxygen radical (abst) 232
- intercalated *c.*
after nephrectomy 636
- c.* line MDCK
morphogenetic clonal growth, epithelial cysts (abst) . 330
- neuroblastoma *c.*
K channels and voltage dependency (abst) 316
- peritoneal *c.*
dialysis solution (abst) 601
- principal *c.*
after nephrectomy 636
- c.* proliferation
precedes cyst formation in renal cystic disease (abst) 244
- suppressor *c.*
spleen transplantation (abst) 595
- T *c.*
human renal allografts, Technical Note on 469
renal transplantation (abst) 596
- c.* volume
in isolated perfused proximal tubule (abst) 328
- c.* volume regulation
and water content in rats (abst) 190
- Central pontine myelinolysis
overcorrection induces *c.p.m.* in severe hyponatremia
(abst) 132
- CH 50
Heymann nephritis 388
- Chelating agent
in mercury poisoning 898
- Chemiluminescence
renal transplantation (abst) 594
- Chemiluminescence assay
antibodies (abst) 595
- Chemoreceptor
activation during reductions in perfusion pressure
(abst) 187
- Chloride
as correction for chloride depletion alkalosis (abst) 279
atriopeptins stimulate in shark rectal gland (abst) 265
effect of changes on blood pressure and renin (abst) ... 197
PGE₂ in medullary thick ascending limb (abst) 260
reabsorption effect of guanabenz on papillary collecting
duct (abst) 197
role in BBM amino acid uptake (abst) 324
role of *c./bicarbonate* exchange 289
- c.* absorption
in rat proximal convoluted tubule (abst) 302
prostaglandin inhibits ADH-stimulated *c.a.* (abst) ... 316
- c.* depletion
alkalosis treated with chloride (abst) 279
role of (abst) 101
- dietary *c.*
effect of Cl uptake in collecting duct (abst) 308
- c.-HCO₃* exchange
in rabbit basolateral membrane (abst) 282
- c.* inhibition
by PGE₂ in medullary thick ascending limb (abst) ... 260
- c.* permeability
in early distal convoluted tubule (abst) 322
- c.* transport
effect of bicarbonate absorption (abst) 304
effect of furosemide during prostaglandin synthesis
inhibition (abst) 259
hormonal regulation in cortical collecting tubule
(abst) 321
relationship with calcium transport (abst) 130
- c.* uptake
effect of dietary chloride in collecting duct (abst) ... 308
- Chlorothiazide
site of action in rat distal convoluted tubule (abst) 112
- Chlorthalidone
effects of calcium absorption (abst) 116
- Cholera toxin
action in perfused rabbit tubule (abst) 331
- Cholesterol
renal embolization and hypertension (abst) 190
- Chromatography
and study of middle molecular clearance (abst) 172
interaction of sulfamethoxazole and cyclosporin (abst) . 343
of aldosterone-induced proteins (abst) 306
study of dextran clearance (abst) 329
- immunoabsorbent *c.*
isolation of distal cell in rabbit (abst) 276
- Circadian rhythm
of ova excretion in urinary schistosomiasis 667
- Circulatory impairment
renal sympathetic nerves mediate hypoperfusion (abst). 232
- Cirrhosis
outcome for transplantation in patients with *c.* (abst) .. 338
- liver *c.*
dopaminergic response (abst) 94
- c.* in rat
angiotension post-receptor activity (abst) 262
- Cisplatin
effect on organic cation transport in cortex (abst) 228
effects on transepithelial potential difference 842
protective effect of quinine (abst) 228
renal function studies and captopril protection (abst) .. 236
renal magnesium wasting following therapy (abst) 127
- Cis-platinum
abnormalities of magnesium after repeated doses (abst) 144
massive electrolyte wasting following (abst) 154
- Citrate
and fasting in brush border and basolateral membranes
(abst) 277
- c.* reabsorption
and utilization from tissue (abst) 271
in the proximal tubule (abst) 270
- c.* utilization
and reabsorption from tissue (abst) 271
- Clamping, infra-aortic
renal function (abst) 598
- Clathrin
partial resolution of *c.-coated* proton pump (abst) 289
- Clearance techniques
reliability (abst) 296
- Clinical follow-up

- progression of chronic renal failure (abst) 240
- Clonal growth, morphogenetic
of cell line MDCK (abst) 330
- Clonidine
effect on renal sympathetic nerve activity in SHR
(abst) 194
- Cloning
of T lymphocytes from ESRD kidneys (abst) 210
- Coagulation
alterations in the contact phase during HD (abst) 163
- Colchicine
proteinuria (abst) 600
- Colitis
vancomycin in HD patients with *c.* (abst) 163
- Collagen
type IV, accumulation in congenital nephrosis 662
- Colloidal carbon
glomerular sclerosis (abst) 405
- Colon
adaptation of K^+ transport to dietary K^+ restriction
(abst) 321
- Complement
and oxygen radical-induced proteinuria (abst) 220
proteinuria (abst) 503
c. depletion
effect on prostaglandin and thromboxane synthesis
(abst) 216
- Complex system
MOVIE. BYU (Mosaic program) osteoclast enlarge-
ment in early renal failure (abst) 574
- Computerized tomography
compared with Grey scale ultrasonography (abst) 147
- Conductivity, hydraulic
dependence on arginine vasopressin (abst) 325
in rabbit cortical collecting tubule (abst) 325
- Contractile response
cell-to-substrate adhesion in mesangium (abst) 259
isotonic *c.r.* in mesangial cells (abst) 269
- Contrast media
effects on renal hemodynamics (abst) 291
- Converting enzyme inhibition
effects of MK421 on renal blood flow (abst) 297
in sodium restricted rat (abst) 298
99mTc-DTPA flow studies in uRAS (abst) 196
- Copper
modulation of renal membrane permeability (abst) 315
serum *c.*
in non-uremic patients (abst) 140
- Coronary artery bypass
in chronic dialysis patients (abst) 145
- Cortex
effect of cisplatin on organic cation transport (abst) ... 228
effect of triiodothyronin on brush border membrane
(abst) 277
subcellular insulin in rat (abst) 273
kidney *c.*
photoincorporation of 3H bromobenzamil (abst) 313
- Corticosteroid
cyclosporin (abst) 594
effects on current and morphology of toad epithelia
(abst) 256
- Corticosterone
effects on antinatriuresis and kaluresis (abst) 258
effects on Na-transport (abst) 269
necessary for Na and K excretion (abst) 323
- Coumadin
membranoproliferative glomerulonephritis (abst) 436
- Creatinine clearance
correlation of predicted GFR (abst) 145
constancy in healthy, very old women (abst) 134
in acute renal failure 928
tubular and glomerular rates of excretion in glomerular
disease (abst) 250
- Creatinine kinase
serum *c.k.* activity in dialysis (abst) 173
- Creatinine kinetics
to study acute renal failure 928
- Creatinine levels
post transplantation 800
serum *c.l.* at start of chronic HD (abst) 167
- Crescents, glomerular
classified in study of 50 children (abst) 450
- Cushingoid renal transplant patients
prednisolone pharmacokinetics (abst) 459
- Cyanotic Congenital Heart Disease (CCHD)
and abnormal renal function 151
- Cyclic AMP
acetate increases *c.* AMP in rat (abst) 176
acidification (abst) 25
and β -catecholamine in proximal tubule (abst) 261
bilirubin (abst) 51
control of PGE₂ by rat inner medullary collecting tu-
bule (abst) 253
dopamine stimulates *c.* accumulation in rat mesangium
(abst) 265
early renal failure 565
effect of calcium ion (abst) 335
effects on K-depleted rabbit tubule (abst) 332
levels in isolated single nephron segments (abst) 268
modifies urinary bicarbonate secretion (abst) 286
Na-H antiporter activity and PTH (abst) 187
role of Ca and PGE₂ in medullary collecting tubule
(abst) 335
stimulates bicarbonate secretion in cortical collecting
tubule (abst) 288
VIP as messenger in luminal alkalization 278
with vasopressin prostaglandins and phospholipid in
toad bladder (abst) 264
- Cyclooxygenase products
effects on macrophage binding 855
- Cyclophosphamide
effect on skin reaction in chronic uremia (abst) 210
membranoproliferative glomerulonephritis (abst) 436
- Cyclosporin
alterations in generalized Schwartzman reaction (abst) . 220
antibody-induced experimental glomerulonephritis
(abst) 530
as sole therapy for children (abst) 350
autopsy findings in renal transplant (abst) 351
bowel function (abst) 593
cardiac transplantation (abst) 595
decreases renal blood flow (abst) 345
effect on Heymann's nephritis (abst) 207
existence of suppressor T cells (abst) 347
glomerular thrombi in renal allografts (abst) 345
immunosuppression in cadaver kidney recipients (abst) 597
imurau (abst) 596
interaction with tegretol (abst) 344
lymphokine responses (abst) 594
lymphocyte function in treatment (abst) 343

- organ blood flow (abst) 594
 Technetium-99M tin colloid to test nephrotoxicity (abst). 351
 test for toxicity by urinary assay (abst) 351
 to treat transplant rejection (abst). 342
 treatment for steroid and ATG rejection (abst) 338
 treatment of renal transplants (abst) 341
- Cyclosporin A
 effect of liposome encapsulation (abst) 340
 hyperchloremic metabolic acidosis and high serum potassium (abst) 349
 interaction with sulfamethoxazole by chromatography (abst). 343
 low-dose maintenance treatment (abst). 342
 lymphoproliferation (abst) 597
 nephrotoxicity (abst) 593
- Cyclosporine-prednisone
 zinc metabolism during treatment (abst). 345
- Cyst formation
 cell proliferation preceeds (abst) 244
 proximal tubular *c.f.* and transtubular transport (abst) 205
- Cystopathy
 complicating diabetic nephropathy 138
- Cytochalasin B
 peritoneal permeability (abst) 411
- Cytomegalovirus infection
 and allograft glomerulopathy, T cell phenotype (abst) 224
 renal transplantation (abst) 596
- Cytoplasm, granulocyte
 antibodies a marker for Wegener's granulomatosis (abst). 225
- Cytoskeletal elements
 permeability 411
- Cytosol
 contribution to vasopressin-stimulated water flow (abst). 324
- Cytosolic calcium
 effects of PTH (abst) 117
- Cytosolic ion activity
 effect of gramicidin on luminal Na (abst) 315
- Cytotoxicity
 suppression (abst) 593
- DCCD
 sensitive ATPase activity in proximal and distal segments 285
- DDAVP
 1-desamino-8-D-arginine vasopressin (abst) 704
- Decompression sickness
 rhabdomyolysis and acute renal insufficiency (abst). 145
- Decongestion, vascular
 protection from ischemic, acute renal failure (abst) 234
- Deoxycorticosterone (DOC)
 bicarbonate flux in cortical collecting ducts (abst) 282
 dietary chloride and calcium metabolism with (abst) 196
- Depolarization
 intracellular alkalization in tiger salamander (abst) 288
- Desferrioxamine
 challenge test for chelatable iron in dialysis (abst). 162
 changes hemodynamics in dog (abst) 169
 effects of i.p. and i.v. administration on aluminum removal (abst) 180
 effects on aluminum-induced osteomalacia (abst). 165
 in aluminum-loaded rats (abst) 157
 therapy in aluminum-related osteodystrophy (abst) 148
- Development, postnatal
 PGE₂ synthesis and degradation (abst) 261
- Dexamethasone
 role in cultured epithelial cells (abst) 332
- Dextran
 study of clearance by chromatography (abst). 329
- Diabetes
 bone effects of streptazotocin (abst) 109
 effect of lower arterial pressure (abst) 252
 effects of peritoneal transport (abst) 179
 glomerular capillary pressure in rats (abst). 241
d. insipidus
 effects of circulating vasopressinase (abst) 326
d. mellitus
 advances in etiology and pathogenesis (abst) 100
 and glomerular structure and function (abst) 209
 autoimmune *d.m.* in rat model (abst) 105
 patients with nephropathy (abst) 138
 increased furosemide binding by Tamm Horsfall glycoprotein (abst). 307
 insulin-dependent, relationship of urinary albumin to glomerular structure (abst) 135
d. mellitus, Type II
 renal size (abst) 137
- Dialysate
 comparison of acetate and bicarbonate (abst). 157
 comparison of effects of acetate and bicarbonate (abst). 168
 CV and metabolic effects of mixtures (abst). 165
 protein losses during IPD (abst) 184
 new process for stabilization of bicarbonate (abst) 169
 rifampin-induced sunset *d.* (abst) 177
 solute clearance and ultrafiltration with varying temps (abst). 170
- Dialysis
 compared with ultrafiltration and sham-*d.* (abst) 157
 for uremic prison inmates (abst) 145
 physical fitness (abst). 601
 pseudoangina in patients (abst) 177
 untapped blood flow reserve for *d.* 176
 uremia (abst) 97
 hemodialysis
 parathyroidectomy (abst). 426
 continuous ambulatory peritoneal *d.* (CAPD)
 bone disease in children on CAPD (abst) 142
 comparison with HD in same population (abst) 178
 dialysance of adrenal steroids (abst) 185
 glycolytic activity in erythrocytes and glucose intolerance (abst). 243
 nutritional status of patients on CAPD (abst) 185
 outcome of transplantation in PD patients (abst) 339
 patients with polycystic kidney disease (abst) 183
 peritoneal cells (abst) 601
 peritoneal sediment (abst) 602
 peritonitis in children undergoing CAPD (abst) 177
 permeability (abst) 411
 spectrum of ultrafiltration undergoing CAPD (abst) 181
 study of 82 children (abst) 558
 TSH response to TRH stimulation (abst) 182
 continuous cycling peritoneal *d.* (CCPD)
 safe, inexpensive disconnecting device for (abst) 179
 report of 82 children (abst) 558
 intermittent peritoneal *d.* (IPD)
 bicarbonate, D-lactate, and L-lactate balance (abst). 184
 dialysate protein losses during IPD (abst). 184
 factors influencing acid-base balance during (abst). 184

- peritonitis in children undergoing IPS (abst) 177
- regular treatment *d.*
- appearance of generalized amyloidosis (abst) 830
- Dialyzer
- effect on proteinases during HD (abst) 171
- effects of sterilizing agents on reused *d.* (abst) 166
- hypersensitivity to (abst) 172
- long-term multiple use of *d.* (abst) 169
- prolonged re-use (abst) 599
- study of *d.* with anion exchange chromatography (abst) 172
- syndrome associated with use of new *d.* (abst) 170
- Diatrizoate
- Bence Jones protein nephrotoxicity (abst) 46
- Dibutyryl AMP
- cyclic AMP (abst) 25
- effects on fluid absorption (abst) 120
- Diet
- restriction and uremia (abst) 420
- Dietary changes
- effects on blood pressure in SHR (abst) 202
- Dietary protein
- simple method for monitoring (abst) 147
- Dietary sodium
- versus *s.* excretion (abst) 497
- Digitoxin
- levels in HD patients (abst) 174
- Dimercaptopropane sulfonate (DMPS)
- as treatment for mercury poisoning 898
- Dimethylnitrosamine
- ethanol inhibition in CRF (abst) 245
- Dipyridamole
- Effect on diabetic nephropathy (abst) 136
- membranoproliferative glomerulonephritis (abst) 436
- Disease, α TBM
- suppressor T cell inhibits TI nephritis in mice (abst) 219
- cystic *d.*
- cell proliferation precedes cyst formation (abst) 244
- dense deposit *d.*
- prognosis in children 223
- light chain *d.*
- basement membrane components in non-amyloid
- l.c.d.* (abst) 219
- Distal segments
- culture of isolated renal tubules in rabbit (abst) 267
- Ditiazem
- reversal of prostaglandin-induced vasoconstriction
- (abst) 296
- Diuresis
- after water loading, role of vasopressin and BP (abst) 202
- effect of glucocorticoids (abst) 327
- role of vasa recta pressure and flow (abst) 298
- osmotic *c.*
- in chronic primary glomerulonephritis 792
- Diuretics
- molecular basis of diabetogenic effects (abst) 327
- effect of prostaglandin inhibition 261
- non-loop *d.*
- effects of prostaglandin inhibition (abst) 261
- DMSO
- ameliorates glomerular disease in mice (abst) 214
- DNS-anti-DNA complexes
- assembly and catabolism in mice (abst) 213
- DOCA
- regulation of Na and K pathways (abst) 319
- DOC-SALT
- glomerular injury despite therapy in hypertension
- (abst) 189
- Docusate sodium
- chronic use in peritoneal dialysis (abst) 180
- Dog, newborn
- effects of synthetic ANF (abst) 308
- Donor, kidney, cadaveric
- cold storage vs. machine perfusion (abst) 342
- effects of hypotension, renal insufficiency, and diabetes
- insipidus (abst) 344
- factors for improved survival results (abst) 347
- factors with delayed graft function (abst) 344
- with multiple vessels (abst) 350
- living related *d.k.*
- differences in divalent ion handling (abst) 190
- effects on short-term low-protein diet (abst) 148
- follow-up of living *k.d.* (abst) 706
- long-term effects on sibling donor (abst) 351
- tubular function, post transplant (abst) 346
- Donor matching
- effects on cellular immune response in recipient (abst) 220
- Dopamine
- effect of blockade on plasma aldosterone (abst) 143
- effect on blood flow in sheep (abst) 297
- effect on renal function (abst) 300
- infra-aortic clamping and renal function (abst) 598
- liver cirrhosis (abst) 94
- proximal tubule (abst) 3
- receptors in denervated kidney (abst) 311
- renal transplantation (abst) 96
- stimulates cAMP accumulation in rat mesangial cells
- (abst) 265
- to prevent oliguric renal failure (abst) 339
- dopamine-4-sulfate
- effect on renal vasculature (abst) 292
- Duct, collecting
- effect of dietary chloride on Cl uptake (abst) 308
- electrical properties in culture (abst) 309
- electrophysiologic heterogeneity in rabbit (abst) 313
- modulation of Na-K-ATPase by dietary K⁺ (abst) 308
- cortical collecting *d.*
- ammonia and bicarbonate transport (abst) 282
- bicarbonate flux (abst) 282
- DOCA regulation of Na and K pathways (abst) 319
- role of chloride bicarbonate exchange (abst) 289
- water permeability of basolateral membrane (abst) 334
- medullary collecting *d.*
- ATP-dependent intracellular pH regulation (abst) 291
- β -D-xyloside
- effects on Golgi apparatus of glomerular cells (abst) 214
- Edema, pulmonary
- deceptive patterns in uremic patients (abst) 143
- ritodrine and terbutaline-induced hypokalemia (abst) 304
- EDTA
- glomerular filtration (abst) 9
- Eicosanoid
- effect of antigenic charge on production (abst) 220
- production by isolated glomeruli in nephritis (abst) 211
- Eicosapentaenoic acid
- effect on PGE synthesis in mesangial cells and 5/6 NX
- rat (abst) 264
- Electrolyte
- flux in rat renal pelvis (abst) 302
- role of adrenal glands and Pichinde virus (abst) 315

- serum patterns in ESRD (abst) 283
total parenteral nutrition, Editorial Review on 489
e. transport
 effects of K loading on Henle's loop (abst) 317
e. wasting
 following cis-platinum treatment (abst) 154
Electron microscopy
 nephrotic syndrome in 48 infants (abst) 544
Electron spectroscopic imaging
 intracellular, in normal and ARF kidneys (abst) 230
Enalapril
 effects on growth, hematocrit in SHR (abst) 191
 effects with Bartter syndrome (abst) 706
Endocytosis
 role of phorbol myristate acetate (abst) 330
 basolateral *e.*
 protein (abst) 39
Endotoxin
 induced renal ischemia, antagonism of thromboxan A2
 (abst) 134
Energy expenditure
 in uremic patients (abst) 144
Enzyme immunoassay
 for erythropoietin levels in ESRD (abst) 160
Enzyme systems
 effects on benzyl alcohol and octanol (abst) 324
Enzyme, respiratory
 integrity during gentamicin treatment (abst) 227
Enzymes
 pancreatic, in chronic renal failure (abst) 180
Eosinophilia
 diagnosis of atheroembolic renal disease (abst) 134
 prognostic value in allograft rejection (abst) 346
Epithelial voltage
 pertussis toxin, PGE₂, and ADH in mouse thick as-
 cending limb (abst) 255
Epithelium
 abnormalities of human polycystic kidney (abst) 226
 anoxic injury to *e. cells* (abst) 106
 basolateral anion channels (abst) 310
 calcium and K⁺ permeability in toad bladder (abst) 305
 corticosteroid effects on current and morphology (abst) 256
 CO₂ causes exocytosis by increasing calcium (abst) 290
 effect of dexamethason in cultured cells (abst) 332
 gentamicin causes alterations in pig kidney (abst) 237
 pertussis toxin reverses PGE₂ inhibitor in rabbit (abst) 252
 polarized cysts in cell line MDCK (abst) 330
 role of cell inhibitor in control of hypertrophy (abst) 247
 transcellular route in endoplasmic reticulum (abst) 323
Epoprostenol
 hemodialysis with *e.*: acetate vs. bicarbonate (abst) 160
Epoxyeicosatrienoic acid
 isolation in human urine 268
Erythematosis, systemic lupus
 abnormal antidiuretic hormone secretion (abst) 154
 extracellular material and B cell marker in SLE (abst) 208
 spontaneous SLE in the rat (abst) 105
Erythrocyte
 abnormalities in adolescent hypertension (abst) 192
 effect of salt loading and restriction on *e. rubidium*
 (abst) 198
 glomerular capillaries (abst) 17
 glycolytic activity and glucose intolerance in uremia,
 HD, CAPD 243
 e. binding
 uptake of IgA vs. IgG₁ immune complexes in pri-
 mates (abst) 212
Erythrocytosis
 and hypertension in rats (abst) 188
 in hemodialysis patients (abst) 157
 renal transplantation (abst) 96
Erythrocyturia
 ova excretion in 667
Erythropoiesis
 inhibition by uremic serum (abst) 184
Erythropoietin
 effects of ischemia on *e. production* (abst) 262
 levels in ESRD by enzyme immunoassay (abst) 160
 role in renal anemia (abst) 101
 serum immunoreactive levels with CAPD (abst) 178
Estradiol receptor
 concentration differs in male and female rats (abst) 252
Ethanol
 effect of inhibition on dimethylnitrosamine CRF (abst) 245
 impairs human baroreceptor function (abst) 196
Ethoxzolamide
 carbonic anhydrase independent HCO₃ reabsorption
 (abst) 290
Ethylenediamine N
 effect in aluminum loaded rats (abst) 158
Euro-Collins flushing solution
 to protect from ischemia (abst) 337
Excretion index
 role in nephron loss adaptation in CRF (abst) 246
Exercise
 effects of training and physical work in HD (abst) 176
 maximal *e. during hemodialysis* 161
 e. training
 effects while on HD 149
Exocytosis
 acetazolamide inhibits in toad bladder (abst) 280
 CO₂ causes by increasing calcium (abst) 290
 CO₂ stimulation of H⁺ secretion (abst) 280
 role of phorbol myristate acetate (abst) 330
Extracellular activity
 reaction with B cell marker in SLE (abst) 208
 e. fluid volume
 role of renal regulation, Editorial Review on 837
Fasting
 and citrate uptake in brush border and basolateral
 membranes (abst) 277
Fatty acids
 release by peritoneal macrophage in CAPD (abst) 127
 utilization in proximal tubule (abst) 275
Fc-receptor
 idiopathic glomerulonephritis (abst) 93
Feeding, intermittent
 effects on renal function in conscious rats (abst) 295
Fenoprofen
 and reversible renal failure (abst) 147
Ferritin, cationized
 basolateral endocytosis of protein (abst) 39
Ferrokinetics
 in CAPD patients (abst) 183
Fiber shortening, circumferential
 differences in velocity in acetate and bicarbonate HD 768
Fibrinogen
 role in glomerular permeability in perfused kidney 808
Fibronectin

- binding of to immune complexes (abst) 205
- decreased destruction during HD (abst) 172
- decreased secretion during CAPD (abst) 179
- Filtration capacity
 - renal reserve 706
 - f.* fraction
 - intra-animal coefficients for variation 871
 - f.* rate response
 - stop flow pressure in loop of Henle (abst) 293
- Fistula
 - elevated basilic vein AV *f.* instead of PTFE graft (abst) 164
 - streptokinase treatment for thrombosed AVF (abst) ... 159
- Flow cytometry
 - presentation in renal transplant recipients (abst) 337
- Flow rate
 - adaptation in perfused tubules (abst) 311
 - dependence on arginine vasopressin (abst)..... 325
- Fluid absorption
 - effects of α 2-adrenergic inhibition (abst)..... 333
 - mediated by PGE synthesis (abst)..... 321
- Fluid secretion
 - in proximal tubules of shark (abst) 319
- Forskolin
 - action in perfused tubule (abst)..... 331
 - action on adenylate cyclase (abst)..... 333
 - effects on tubules of K-depleted rabbit (abst)..... 332
 - pertussis toxin reverses PGE₂ inhibition (abst) 252
- Furosemide
 - and blood pressure and electrolyte homeostasis (abst) . 155
 - as cortical collecting duct evaluation tool (abst)..... 133
 - binding by Tamm Horsfall glycoproteins of diabetic (abst)..... 307
 - chloride transport during prostaglandin synthesis inhibition (abst)..... 259
 - effect on cisplatin-induced hypo-magnesemic rats (abst) 129
 - prostaglandins (abst) 66
 - to prevent oliguric renal failure (abst)..... 339
 - unloading reverses depressing in intrarenal PO₂ (abst) . 228
- Fxla
 - Heymann nephritis (abst) 388
- Gain amplification
 - in chronic renal disease (abst)..... 242
 - role in nephron loss adaptation in CRD (abst) 246
- Gallium-67
 - diagnostic value of scans (abst)..... 139
- Gap, anion
 - disorders, Nephrology Forum on 472
- Gentamicin
 - and mitochondrial respiratory enzyme integrity (abst) . 227
 - causes alterations in pig kidney epithelial cells (abst) .. 237
 - effect of PTX (abst)..... 230
 - effect on lipid peroxidation in rat renal cortex (abst) ... 237
 - generates hydrogen peroxide by renal mitochondria (abst)..... 238
 - pathological renal changes (abst)..... 238
 - protection of thyroxine in ARF (abst)..... 230
 - role of thromboxane A₂ and prostaglandin I₂ with (abst)..... 235
 - unilateral ureteric occlusion protects from (abst) 234
 - vanadate potentiates *g.* nephrotoxicity in rat (abst) 231
- Gland, adrenal
 - role in electrolyte imbalance in Pichinde virus (abst) ... 315
 - rectal *g.*
 - atriopeptin stimulates in shark..... 266
- atriopeptins stimulate chloride in shark (abst) 265
- regulation of adenylate cyclase in shark (abst) 312
- Globulin
 - Minnesota antilymphoblast and renal cadaver transplantation (abst) 596
- Glomerular basement membrane
 - Alport syndrome, Nephrology Forum on 83
 - altered GBM anionic sites in nephrotic syndrome (abst) 217
 - effects of antibodies in rat GMB 938
 - nephritogenic potential of antibodies (abst) 209
 - poly C9 and loss of anion sites in GBM in nephritis (abst)..... 219
 - thickening caused by antibodies to heparan sulfate (abst)..... 218
 - thickness after localization of polyvinyl alcohols 751
 - with heparan sulfate in membranous nephropathy (abst)..... 212
- Glomerular capillary pressure
 - in rats with diabetes and hypertension (abst) 241
 - intra-animal coefficients for variation 871
- Glomerular disease
 - early DMSO treatment ameliorates *g.d.* in lupus mice (abst)..... 214
 - primary *g.d.*
 - tubular and glomerular rates of creatinine excretion (abst)..... 250
- Glomerular dynamics
 - coefficients of variation 871
 - intra-animal nephron heterogeneity..... 871
- Glomerular filtration rate (GFR)
 - acute hypertension (abst)..... 31
 - and protein intake in growth hormone deficient adult (abst)..... 296
 - calcitonin 394
 - calcium, Technical Note on..... 465
 - dopamine (abst) 96
 - effects of amino acid infusion (abst) 272
 - effects of glucose and amino acids 848
 - marker for (abst) 9
 - phorbol myristate acetate (abst) 503
 - pregnancy (abst)..... 74
 - prostaglandins modulate in rat on high protein diet (abst)..... 267
 - reliability of clearance techniques (abst)..... 296
- Glomerular injury
 - control of hypertension in rats with renal ablation (abst)..... 247
 - influence of antigen distribution 938
- Glomerular neurominidase
 - in puromycin aminonucleoside nephrotic syndrome (abst)..... 205
- Glomerular response
 - effects of age, sex and diet on *g.r.* to anti-GBM (abst) . 247
- Glomerular sclerosis
 - focal segmental, the early lesion (abst)..... 222
 - mechanism in the rat (abst)..... 204
- Glomerular structure
 - and function with diabetes mellitus (abst)..... 209
- Glomerulonephritis
 - and antigen charge on murine protein-induced *g.* (abst) 212
 - cryoglobulinemia-associated monocytes (abst)..... 93
 - immune cell abnormalities in Thai children (abst) 225
 - induced in rabbit by anti-endothelial antibodies (abst) .. 217
 - macrophage accumulation 855
 - prolonged alterate day prednisolone therapy with

- akinsola (abst) 130
- role of salt-induced hypertension and protein restriction 249
- treatment with PGE₂ and influence on immune response (abst) 217
- acute *g.*
 - modulation of angiotensin II receptors (abst) 222
 - nephron handling of potassium and sodium (abst) ... 250
- autoimmune *g.*
 - antibody-induced experimental T lymphocyte (abst) . 530
 - IgG subgroup distribution (abst) 221
 - influence of antigen in experimental *a.g.* (abst) 208
 - ultrastructural studies in chickens (abst) 224
- chronic *g.*
 - mechanism of impaired urinary concentration 792
- chronic primary *g.*
 - cause of renal failure (abst) 246
- crescentic *g.*
 - study of 50 children (abst) 450
- Heymann *g.*
 - relevance of immune complexes induced by antibody (abst) 207
- idiopathic *g.*
 - macrophage Fc-receptor (abst) 93
 - prednisone (abst) 600
- immune complex *g.*
 - increased thromboxane B₂ formation by glomeruli... 267
- membranoproliferative *g.*
 - associated with hepatitis B 154
 - controlled drug trial (abst) 436
 - decline of incidence in France (abst) 829
 - IgG subgroup distribution (abst) 221
 - study of 1548 patients in Italy (abst) 93
 - type II, similarities to light chain nephropathy 223
- necrotizing *g.*
 - causes and prognosis (abst) 601
- proliferative *g.*
 - IgG subgroup distribution (abst) 221
 - proteinuria and intra glomerular monocytes (abst) ... 94
 - secondary to ATG administration (abst) 338
- serum sickness *g.*
 - effect of discontinuation of daily antigen injections (abst) 248
- Glomerulonephropathy, membranous
 - in renal allografts (abst) 224
- allograft *g.*
 - T cell phenotype in cytomegalovirus *a.g.* (abst) 224
- transplant *g.*
 - evolution of morphological changes 800
- Glomerulosclerosis
 - in obese Zucker rat (abst) 297
 - focal segmental *g.*
 - renal hyaline arteriosclerosis and *f.s.g.* (abst) 216
- Glomerulotubular balance
 - metabolic control 848
- Glomerulus
 - activates platelet thromboxane synthetase in humans (abst) 266
 - angiotensin II (abst) 17
 - capillary function with cationic DEAE-3H-Dextran (abst) 301
 - dose-dependent movement of cationic molecules (abst) . 292
 - effects of angiotensin II (abst) 299
 - influence of albumin concentration in dog (abst) 294
 - degradation of angiotensin II (abst) 253
 - leukotriene B₄ synthesis in rat (abst) 254
 - macrophage binding 855
 - non-receptor mediated angiotensin II degradation (abst) 269
 - production of eicosanoid in nephritis (abst) 211
 - pyrimidine nucleotide metabolism in rat 274
 - release of PGE₂ in single perfused *g.* (abst) 297
 - role of fibrinogen in *g.* permeability 808
 - scanning electron microscopy of acellular *g.* 678
 - superficial *g.*
 - acute hypertension (abst) 31
- Glucocorticoid
 - amiloride and NA transport (abst) 263
 - effect on water diuresis (abst) 327
 - potassium excretion, Editorial Review on 379
 - replacement of loop of Henle Cl⁻ transport and renin release (abst) 322
- Glucose intolerance
 - glycolytic activity erythrocytes and *g.i.* in uremia (abst) 243
 - uremia (abst) 95
- Glutamate dehydrogenase
 - and ammonium formation during acute metabolic acidosis (abst) 270
 - g.* metabolism
 - and bicarbonate inhibition of succinate dehydrogenase (abst) 275
- Glutamine
 - maleate stimulates *g.* metabolism (abst) 272
 - metabolic alkalosis (abst) 602
- Glycolysis
 - ATP and membrane integrity in LLC-PK1 cells (abst) . 236
 - role in metabolism during alkalosis 908
- Glycoprotein
 - association with granulocytopenia of HD (abst) 204
 - microvillar membrane *g.* after ischemia (abst) 236
 - Heymann nephritogenic *g.*
 - absence in human kidney (abst) 211
 - Tamm Horsfall *g.*
 - increased furosemide binding (abst) 307
- Golgi apparatus
 - effect of β-D-xyloside (abst) 214
- Graft survival
 - hypertension in transplant recipients (abst) 188
- Grafts
 - angio access comparison of autogenous fistula vs. prosthetic *g.* (abst) 142
- Grafts, heart
 - T cell subset (abst) 594
- Gramicidin
 - effect on cytosolic ion activity (abst) 315
- Granulocyte
 - antibody to cytoplasm, marker to disease (abst) 225
 - increased adhesion with HD (abst) 204
- Granulocytopenia
 - of HD, increased granulocyte adhesion (abst) 204
- Granulomatous diseases
 - and vitamin D (abst) 103
- Grey scale ultrasonography
 - compared with computerized tomography (abst) 147
- Growth hormone deficiency
 - GFR and protein intake (abst) 296
- Growth velocity index
 - CAPD and CCPD in 82 children 558

- Guanabenz
effect on papillary collecting duct Cl reabsorption (abst)..... 197
- Haloperidol
inhibition of natriuresis by atrial natriuretic factor (abst) 261
- Hearing loss
Alport syndrome, Nephrology Forum on..... 83
- Heart failure, congestive, in rat
role of vasopressin (abst)..... 337
- Heart rate
uremia (abst) 95
- Heart, artificial
renal function in calves (abst) 236
- Hematocrit
effects of enalapril in SHR (abst) 191
- Hemodiafiltration
high flux (abst)..... 174
two strategies for small and middle molecule removal (abst)..... 828
- Hemodialysis
a detoxifying device for (abst)..... 158
acute *h.* morbidity (abst) 171
Al and Mg urate renal lithiasis (abst) 830
anticoagulant problems (abst) 100
bi-weekly vs. thrice-weekly HD (abst) 175
carcinoembryonic antigen levels (abst)..... 352
comparison in acetate tolerant or intolerant patients (abst)..... 160
comparison with CAPD in same population (abst)..... 178
complement activation in first-use and hypersensitive (abst)..... 162
complement changes during citrate anticoagulation (abst)..... 166
contact phase of coagulation (abst)..... 163
dialysate bicarbonate concentration (abst) 163
does not produce carnitine depletion (abst) 170
effects of acetate and bicarbonate on left ventricular function..... 768
effects of exercise training during (abst)..... 149
effects of exercise training on physical work (abst) ... 176
evaluation of hepatitis B vaccine in (abst) 159
glycolytic activity in erythrocytes and glucose intolerance (abst) 243
increased bone aluminum deposition after PTX..... 785
maximal exercise during (abst) 161
microcomputer-based ultrafiltration monitor (abst) ... 705
morbidity and mortality in twice-weekly chronic *h.* (abst)..... 164
myocardial depression during (abst) 705
parathyroidectomy (abst)..... 426
polycystic kidney disease (abst) 601
protein-calorie malnutrition in chronic HD (abst)..... 168
risk factors of vascular calcinosis (abst)..... 828
role of acetate (abst) 705
short, efficient process with reduced symptoms (abst)... 158
single-access, sorbent-based home *d.* (abst)..... 157
staphylococcus aureus carriage in *h.* (abst) 160
ultrasound-duplex scanning for complications (abst) ... 177
urea kinetics is not a single pool (abst)..... 165
uremia (abst) 95
with epoprostenol: acetate vs. bicarbonate (abst) 160
- Hemodynamics
during HD, effects of acetate on non-anesthetized dog (abst)..... 168
- effects of angiotensin converting enzyme inhibitor (abst)..... 293
- left and right tubular antibody deposition (abst)..... 300
- glomerular *h.*
effect of isoproterenol (abst) 298
role of increased capillary pressure in ARF (abst) ... 240
- rat *h.*
effect of captopril in SHR (abst) 299
- nephron *h.*
effects of indomethacin in pregnant rat (abst)..... 294
- renal *h.*
arachidonic acid affects *r.h.* in dog (abst) 299
calcium, Technical Note on 465
effect of i.v. amino acid infusion (abst)..... 243
effect of Pichinde virus infection (abst)..... 301
effects of ANF (abst) 317
effects of ANF on pregnant rat (abst) 314
effects of ANF on SHR (abst)..... 295
influence of intrarenal adenosine (abst)..... 291
left and right tubular antibody deposition (abst)..... 300
postprandial, in humans (abst)..... 291
- Hemofiltration
effect of predilution during AV *h.* (abst)..... 164
nitrogen balance/growth (abst) 97
- Hemolytic uremic syndrome
association with verotoxin producing *E. coli* (abst) 131
- Hemorrhage
role in post-traumatic renal insufficiency (abst) 235
sulindac accentuates ischemia (abst)..... 294
- Hemosiderosis
effects of iron chelation in dialysis *h.* (abst)..... 173
- Henle's loop
effect of potassium reabsorption by acute K load 919
- Heparan sulfate
and immune complex, sites of extracellular matrices (abst)..... 210
antibodies bind and induce proteinuria (abst)..... 218
changes in GBM in membranous nephropathy (abst)... 212
- Hepatitis B
associated with membranous glomerulonephropathy (abst)..... 154
- Hepatitis B vaccine
in hemodialysis patients (abst) 159
randomized trial for reduced dose in HD patients (abst) 132
- Hepatitis, non-B
chronic in renal transplant recipients (abst) 346
- Hepatocytes, centritubular
NADPH (abst) 401
- Heterogeneity
electrical *h.* of Amphimna proximal tubule (abst) 309
electrophysiologic *h.* in rabbit collecting duct (abst) ... 313
variation of efferent arteriolar plasma protein (abst) ... 295
intra-animal *h.*
coefficients for variation..... 871
tissue *h.*
nuclear magnetic resonance techniques (abst) 270
- Heymann nephritis
terminal complement nephritis (abst) 388
- Histo-autoradiography
proximal tubule (abst) 3
- Histofluoresence
proximal tubule (abst) 3
- Homeostasis, potassium
renal regulation, Editorial Review on 837
- h.*, sodium

- renal regulation, Editorial Review on 837
- Hormonal systems, vasoactive
in dogs with low cardiac output (abst) 293
- Hormone
cell-to-substrate adhesion and contractile behavior
(abst) 259
deprived, calcitonin (abst) 394
antidiuretic *h.* (ADH)
as cell volume regulation in thick ascending limb
(abst) 327
bradykinin inhibits fluid absorption in rabbit (abst) . . 264
chronic metabolic alkalosis (abst) 598
effects on 3H phenamil binding to toad bladder (abst) 308
in systemic lupus erythematosus (abst) 154
pertussis toxin and PGE₂ effects in thick ascending
limb (abst) 255
potassium excretion, Editorial Review 379
prostaglandin inhibits chloride absorption (abst) 316
study of solute transport by autoradiography 726
- parathyroid *h.* (PTH)
and Na-H antiporter activity, cAMP mediated effect
(abst) 287
calcium in uremia (abst) 523
effect of dibutyl cAMP with fluid absorption (abst) . . 120
effect of lithium (abst) 123
effects of PTH and vitamin D in hamster 864
effect on acidic phospholipids (abst) 122
effect on myocardial energy metabolism in rat 718
effect on osteoblastic activity (abst) 122
effects on aluminum (abst) 109
effects of 1,25(OH)₂D₃ (abst) 111
effects on blood ionized calcium and serum 1,25D
(abst) 124
effects on renal hydrogen ion handling (abst) 278
interrelation with bone GLA-protein and vitamin D
in renal failure (abst) 137
NADPH in kidney/liver (abst) 401
plasma immunoreactive PTH levels with uremic se-
rum (abst) 184
role with norepinephrine in CRF (abst) 242
variability in induction of phosphaturia (abst) 124
verapamil blocks acute PTH-induced decrease in
cAMP (abst) 127
- thyroid *h.*
sodium proximal tubule transport (abst) 94
- Horseradish peroxidase
basolateral endocytosis of protein (abst) 39
- Houship's lacunae
osteoclast enlargement (abst) 574
- Hyalinosis
malignant focal segmental *h.* and idiopathic nephrotic
syndrome 155
- Hybridization
RNA-DNA dot blot to localize angiotensinogen (abst) . 266
- Hydration
medullary concentration of solute and water (abst) 306
- Hydrogen
³H bromobenzamil
photoincorporation into kidney cortex (abst) 313
³H-labeled sucrose
transport across toad bladder 726
³H-phenamil
effects of aldosterone, ADH, and trypsin (abst) 308
- Hydrogen bicarbonate
change of luminal pH, and P_{CO₂} on intracellular pH
(abst) 287
- HCO₃ reabsorption
carbonic anhydrase independent, effect of
ethoxzolamide (abst) 290
effects of amiloride in rat (abst) 281
- HCO₃ secretion
role of carbonic anhydrase cells in turtle bladder (abst) 289
- HCO₃ transport
intracellular pH regulation 286
- Hydrogen ion
cyclic AMP (abst) 25
effect of PTH on renal handling 278
H⁺/OH⁻ permeability of proximal tubule brush border
vesicles (abst) 283
transports (abst) 103
- h.i.*-ATPase
in human inner medullary membrane vesicles (abst) . 280
isolated in rabbit and human medulla (abst) 288
isolation of high performance ion exchange chroma-
tography (abst) 282
- h.i.* parathyroid receptors
uremia (abst) 97
- h.i.* secretion
CO₂ stimulation, role of exocytosis, intracellular pH,
and calcium (abst) 280
- Hydrogen peroxide
induced by gentamicin in renal mitochondria (abst) ... 238
- Hydronephrosis
renal protein changes (abst) 274
- Hydroosmosis
role of phorbol myristate acetate (abst) 330
- Hydroxyeicosatetraenoic acid (HETE)
effects of HETE production by lipoxygenase activity .. 855
- Hypaque
effects of verapamil on urinary sodium (abst) 326
- Hypercalcemia
associated with silicone-induced granulomas (abst) 119
effect of WR-2721 (abst) 129
effect on outcome of ischemic acute renal failure (abst) 230
in diuretic phase of ARF due to rhabdomyolysis (abst) . 238
increases nephrotoxicity of Bence Jones protein (abst) . 238
non-parathyroid hormone mediated (abst) 103
of malignancy, role of PTH receptors (abst) 104
of malignancy, role of transforming growth factors
(abst) 104
- familial hypocalciuric *h.*
study of mineral balances (abst) 119
- Hypercalciuria
in SHR (abst) 111
risk factors for calcium nephrolithiasis during preg-
nancy (abst) 144
spontaneous *h.*
role of deranged vitamin D metabolism (abst) 128
- Hypercapnia
enhances V-max of Na-H antiporter (abst) 289
role of low system pH (abst) 116
chronic *h.*
acid-base equilibrium (abst) 538
- Hyperemia
following ischemia unaffected by indomethacin (abst) .. 229
- Hyperreninemia
potassium depletion in the rat (abst) 264
- Hyperfiltration, glomerular
in obese Zucker rat (abst) 297
- Hyperglycemia

- and GFR in non-diabetic humans (abst) 155
- Hyperkalemia**
 causes low thyroid uptake of thallium in HD (abst) . . . 166
 in organic acidosis (abst) 148
 incidence and etiology in hospitalization (abst) 320
 metabolic acidosis in mineralocorticoid-resistant *h.* (abst) 149
 potassium excretion, Editorial Review on 379
 propranolol induced in non-diabetic uremic patients . . . 156
- Hyperlipidemia**
 treatment of *h.* of the nephrotic syndrome (abst) 131
- Hyperparathyroidism**
 effect on RBC osmotic fragility (abst) 115
 role of hypocalcemia (abst) 122
 secondary *h.*
 chronic renal failure (abst) 426
 dietary calcium deprivation cause of (abst) 169
 intravenous calcitriol for (abst) 168
 1,25(OH)₂D₃ (abst) 565
 osteoclast enlargement (abst) 574
 ultrasonically guided fine-needle alcoholization (abst) . . . 98
- Hyperphosphatemia**
 control with oral calcium carbonate (abst) 108
- Hyperplasia**
 role of epithelial cell growth inhibitor (abst) 247
- Hypersensitivity**
 of skin, effect of cyclophosphamide in chronic uremia (abst) 210
- Hypertension**
 abnormal sodium handling (abst) 189
 and erythrocytosis in rats (abst) 188
 and impaired urinary concentration mechanism 792
 and inhibitors of thromboxane in SHR (abst) 198
 antihypertensive effects of captopril in dialysis (abst) . . 189
 antihypertensive therapy and nephrotoxic serum nephritis (abst) 248
 captopril and nifedipine (abst) 97
 captopril increases renal blood flow (abst) 339
 captopril testing to separate patients (abst) 203
 cation transport of erythrocyte in adolescent (abst) . . . 192
 CA²⁺ ATPase activity (abst) 196
 control retards glomerular injury in rats (abst) 247
 cytosolic-free calcium concentration (abst) 96
 defective tubulo-glomerular feedback in Milan rat (abst) 292
 dietary chloride in disordered calcium metabolism (abst) 196
 effect on peritoneal transport 179
 effects of atrial natriuretic factor (abst) 295
 effects of beta-1 receptor antagonism on renin (abst) . . . 188
 effects of captopril and nifedipine (abst) 199
 effects of captopril (abst) 193
 effects of lower arterial pressure in diabetes (abst) 252
 effects of potassium depletion in SHR (abst) 195
 following renal donation (abst) 137
 glomerular capillary pressure in rats (abst) 241
 glomerular injury despite therapy with DOC-SALT (abst) 189
 i.v. medroxoalol for treatment of arterial *h.* (abst) 187
 in babies following neonatal intensive care (abst) 138
 in Blacks: comparison of creatinine levels (abst) 194
 in fawn-hooded rat (abst) 703
 in patients over age 60, results of operation (abst) 192
 in 2-k, 1-c Goldblatt rat 731
 in 50 children with crescentic glomerulonephritis (abst) . . 450
 interstitial cells affect salt sensitivity (abst) 198
 light-chain nephropathy, Nephrology Forum on 582
 marker for natriuretic hormone in HD patients (abst) . . . 186
 metabolic effects of indacrinone (abst) 191
 nephrotic proteinuria (abst) 200
 nifedipine: non-invasive Doppler cardiac output (abst) . . 188
 plasma norepinephrine levels in adolescent (abst) 192
 pulmonary use of thromboxane in (abst) 158
 renal cholesterol embolization (abst) 190
 renal denervation prevents one-kidney low sodium *h.* (abst) 201
 renal dysfunction and renin-angiotensin blockade (abst) . 198
 salt-induced role of protein restriction in glomerulonephritis (abst) 249
 sodium sensitivity and calcium metabolism (abst) 199
 synthetic atrial natriuretic factor reduces BP (abst) 202
 systemic *h.* in diabetic nephropathy (abst) 155
 therapy in nephritic spontaneously hypertensive rats (abst) 187
 treatment with captopril in transplant recipients (abst) . . 343
 urinary calcium excretion (abst) 96
 acute *h.*
 angiotensin II-induced (abst) 31
 superficial glomeruli (abst) 31
 essential *h.*
 blood pressure and sodium depletion (abst) 97
h. in rat
 effect of captopril (abst) 299
 tubulo-glomerular feedback in Milan rat (abst) 298
 pulmonary *h.*
 effects of ultrafiltration or dialysis comp. on (abst) . . 175
 renovascular *h.*
 Nephrology Forum on 812
- Hypertonic radiocontrast medium**
 effects on para-aminohippurate extraction (abst) 146
- Hypertriglyceridemia**
 lipo- and apo-protein abnormalities in HD (abst) 174
- Hypertrophy**
 Na-H antiport induces *h.* in proximal tubules (abst) . . . 241
 role of epithelial cell inhibitor (abst) 247
 renal compensatory *h.*
 1,25(OH)₂D₃ (abst) 598
- Hypoadosteronism**
 primary acquired *h.*, Nephrology Forum on 690
 reversible hyporeninemic *h.* in SLE (abst) 140
- Hypobicarbonatemia**
 anion gap, Nephrology Form on 472
- Hypocalcemia**
 EDTA-induced in early renal failure (abst) 565
 effect of WR-2721 (abst) 129
 effects of aluminum on plasma calcium, ionized calcium, and PTH (abst) 125
 in critically ill patients (abst) 113
 post parathyroidectomy in HD patients (abst) 112
 role in secondary hyperparathyroidism (abst) 122
 role of aluminum toxicity (abst) 121
- Hypocapnia**
 phosphate reabsorption (abst) 109
- Hypocomplementemia**
 atheroembolic renal disease (abst) 136
- Hypokalemia**
 and pulmonary edema (abst) 304
 total parenteral nutrition, Editorial Review on 489
- Hypokinesia**
 morphological changes in rat kidney (abst) 156

- Hypomagnesemia
 effect of furosemide in cisplatin-induced *h.* rats (abst) . . . 129
 hemodynamic and metabolic effects on SHR (abst) . . . 189
 total parenteral nutrition, Editorial Review on 489
- Hyponatremia
 clinical evaluation for extracellular fluid volume (abst) . . 135
 during converting enzyme inhibition (abst) 298
 history of untreated, severe *h.* (abst) 323
 myelinolysis in rabbits (abst) 141
 overcorrection induces central pontine myelinolysis
 (abst) 132
 permanent neurological disability in healthy women
 after elective surgery (abst) 132
 reduced peripheral resistance in ultrafiltration (abst) . . 170
- Hyponatriuria
 dopamine (abst) 94
- Hypo-osmolality
 in spinal cord injury patients (abst) 145
- Hypoperfusion
 renal sympathetic nerves mediate (abst) 232
- Hypophosphaturia
 role of sodium transport (abst) 110
- Hyporenin/hypoaldosteronism
 plasma potassium and acidosis 285
- Hypothyroidism
 action of arginine vasopressin in renal tubules (abst) . . 328
h. in rat
 function of perfused kidney (abst) 300
- Hypoxemia
 during citrate anticoagulation (abst) 166
- Hypoxia
 effects of ultrafiltration or dialysis (abst) 175
- ¹²⁵I iothalamate
 marker for glomerular filtration (abst) 9
- Ibopamine
 renal transplantation (abst) 96
- Ibuprofen
 prostaglandins (abst) 66
- IgA
 hidden subclass determinants 685
 molecular nephritogenicity and immune complex (abst) 221
 spontaneous glomerular deposition in ddY mice 756
- IgA nephropathy
 C3 activation (abst) 226
 mesangial IgA
 charge restriction of *m.I.* in primary IgA nephropathy (abst) 218
- IgG
 acute hypertension (abst) 31
 glomerular distribution in glomerulonephritis (abst) . . 221
 IgG synthesis
 transferrin restores serum (abst) 225
- IgG125
 binding and release of C3 fragments (abst) 224
- Imidazole
 effects on renal hemodynamics 892
- Immune cell
 in Thai children with glomerulonephritis (abst) 225
i. complex
 alterations by donor-specific blood transfusion (abst). 338
 binding of human fibronectin (abst) 205
 clearance modulation by polyclonal B cell activation
 (abst) 207
 deposits during renal failure in acute pancreatitis
 (abst) 131
 effect of antigenic charge and eicosanoid production
 (abst) 220
 formed by antibody, antigens relevance to Heymann
 glomerulonephritis (abst) 207
 IgA nephritogenicity correlates formation (abst) 221
 role of dietary protein in *i.*-mediated TBM disease
 (abst) 240
 uptake of IgA vs. IgG₁: erythrocyte binding (abst) . . 212
 with heparan sulfate-rich sites of matrices (abst) . . . 210
- i.* deposits
 effect of protamine sulfate (abst) 206
 monoclonal anti-DNA antibodies (abst) 216
- i.* injury
 effects of complement depletion and hemodynamics
 (abst) 216
- i.* response
 effect of donor matching in transplant recipient (abst) 220
 genes in histocompatibility complex (abst) 100
 soluble suppressor in urine of nephrotic patients
 (abst) 222
 treatment of PGE₂ in glomerulonephritis (abst) 217
- Immunity, cell-mediated
 and tubulo-interstitial nephritis in Lewis rat (abst) . . . 205
 in chronically uremic mice (abst) 211
- Immunofluorescence
 study of 50 children with crescentic glomerulonephritis
 (abst) 450
 study of renal amyloidosis (abst) 830
- Immunoglobulin
 altered status in congenital nephrotic syndrome (abst) . 140
 receptor mediated binding by U937 cells (abst) 218
- Immunopathology
 significant of brush border related antigen (abst) 221
- Immunosuppressive drugs
 pregnancy 74
- Immunosuppressive therapy
 for lupus nephritis (abst) 204
 use in corticosteroid-resistant minimal change nephropathy (abst) 134
- Imuran
 cyclosporin (abst) 596
- Indacrinone
 metabolic effects in essential hypertension (abst) 192
- Indomethacin
 effect on single nephron hemodynamics in pregnant
 rats (abst) 294
 effects on renal hemodynamics 892
 improves renal medullary function and anoxic injury
 (abst) 228
 inhibits prostaglandin E₂ release in uremic rats (abst) . . 233
 no effect on hyperemia following ischemia 229
- Infiltrate
 leucocyte interstitial *i.* in nephritis (abst) 225
- Infra-aortic clamping
 and renal function (abst) 598
- Injury, glomerular
 phorbol myristate acetate-induced (abst) 503
 tubular *i.*
 difference in hypoxic and ischemic *t.i.* (abst) 231
- Inositol polyphosphates
 bradykinin releases in renal papillary collecting tubule
 (abst) 265
- Insulin
 actions on isolated perfused rabbit renal proximal tu-

- bules (abst) 129
 effect on transport properties in renal cells (abst) 314
 effects on metabolic acidosis in protein turnover (abst). 274
 postbinding defects in human adipocytes 780
 subcellular *i.* in rat cortex (abst) 273
i. binding
 chemical basis in metabolic acidosis (abst) 284
 Insulin-like growth factors
 receptors in proximal tubule (abst) 272
 Interferon- α , recombinant
 treatment with renal transplant (abst) 337
 Interstitial chronicity index
 value in membranoproliferative glomerulonephritis (abst) . . . 139
 Intestine
 absorption in nephrotic syndrome (abst). 98
 Inulin clearance
 correlation with predicted GFR (abst) 145
 myeloma nephrotoxicity (abst) 46
 Ion exchange chromatography
 isolation of solubilized renal H^+ ATPase (abst) 282
 Iron
 desferrioxamine challenge test for chelatable *i.* (abst) . . 162
 effects of *i.* chelation in dialysis hemosiderosis (abst) . . 173
 overload in chronic renal failure patients (abst) 171
 i. transfusion
 role in metabolic bone disease (abst). 127
 Ischemia
 effects of verapamil on renal function (abst). 229
 effects on production of erythropoietin (abst). 262
 improving Euro-Collins flushing solution (abst) 337
 induces accumulation of putative Ca^{2+} ionophores
 (abst). 234
 loss of epithelial surface membrane polarity (abst) 234
 microvillar membrane glycoprotein after renal *i.* (abst). 236
 protective effects of verapamil (abst) 348
 responses of normal kidney to sequential events (abst). 240
 sulindac accentuates during hemorrhage (abst) 294
 renal *i.*
 antagonism of thromboxane A_2 ameliorates
 endotoxin *i.* (abst). 227
 i. unilateral
 hyperemia unaffected by indomethacin (abst). 229
 Isobutyl methyl xanthine
 effects on cortical collecting tubule in K depletion
 (abst). 332
 Isografts, in rat
 native nephrectomy improves (abst) 339
 Isoproterenol
 effect on glomerular hemodynamics (abst) 298
 to study renin release 762
 Kallikrein
 in human and rat kidney 630
 Kallikrein-kinin system
 in Madin Darby canine kidney 260
 Kaluresis
 effects of metabolite of corticosterone (abst) 258
 Ketoacidosis
 urine anion gap (abst) 599
 Ketoanalogs
 of amino acids as treatment of uremia (abst) 829
 Kidney, aging, in rat
 physiological and physio-chemical modification (abst). . 329
 Madin Darby canine *k.*
 kinin-generating activity (abst). 260
 denervated *k.*
 dopamine receptors and sodium excretion (abst) 311
 hydronephrotic *k.*
 cells stimulate sensitivity to bradykinin (abst) 255
 Kidney International, About Editorial 1
 Kidney obstruction
 bicarbonate reabsorption in collecting tubules (abst) . . . 284
 perfused *k.*
 function in hypothyroid rat (abst) 300
 Kinin
 vasopressin-stimulated water flow (abst) 512
 L-dopa
 incubation (abst) 3
 Lactate
 sclerosing peritonitis on CAPD: acetate vs. *l.* (abst) . . . 183
 vasorelaxant effects (abst). 159
 l. metabolism
 role in ammonia production in dog (abst) 272
 Lactic acid, *levo*
 effects on plasma phosphorus (abst) 286
 Lactic acid, *racemic*
 effects on plasma phosphorus 286
 Laminin
 accumulation in congenital nephrosis 662
 Laxative abuse
 pseudo-distal renal tubular acidosis (abst) 152
 Lead excretion
 pre-eclampsia 139
 l. intoxication
 risk of renal failure (abst). 150
 l. poisoning
 later renal function after *l.p.* in childhood (abst) 152
 Leucocytes
 phenotype in the human kidney (abst) 209
 Leucocyturia
 Ova excretion in 667
 Leukopenia
 anaphylatoxin release during cool hemodialysis (abst). . 167
 during citrate anticoagulation (abst) 166
 Leukotriene B₄
 sodium excretion (abst) 263
 synthesis in rat glomerulus 254
 Leukotriene C₄
 effects on rat mesangium (abst). 256
 Leukotriene D₄
 sodium excretion (abst) 263
 Leukotrienes, sulfidopeptide
 ameliorates endotoxin-induced renal ischemia (abst) . . . 227
 Ligand binding
 impaired small *l.g.* in uremic plasma 244
 Limb, medullary thick ascending
 ADH and cell volume regulation (abst). 327
 anoxic injury (abst) 107
 effect of anoxia on adenylate levels and K uptake
 (abst). 271
 effect of calcium ion on cAMP concentration (abst) . . . 335
 K⁺ channels in rabbit (abst) 309
 pertussis toxin and PGE, effect on epithelial voltage
 (abst). 244
 PGE₂ inhibits chloride transport (abst) 260
 Linoleic acid
 improves renal function in rat (abst). 244
 Lipid
 protein modulation with stressed uremic rats (abst). . . . 251

- role in renal membrane order (abst) 273
- role of membrane damage *l.* alterations (abst) 106
- l.* levels
 - dietary and serum, response to oral CA^{2+} 140
 - l.* peroxidation
 - effect of gentamicin (abst) 237
- Lipogenesis
 - postbinding defects in uremic patients 780
- Lipoprotein
 - altered metabolism in CRF (abst) 250
 - plasminogen activator and inhibitor in cells (abst) 213
 - uremia (abst) 420
- Liposome
 - effect of encapsulation on toxicity of cyclosporin (abst) 340
- Lipoxygenase products
 - effects on macrophage binding 855
- Lithiasis, urate renal
 - result of A1 salt HD (abst) 830
- Lithium
 - effect on Na-H exchange (abst)..... 316
 - effect on PTH secretion and phosphatidylinositol cycle (abst)..... 123
 - effects on sodium uptake (abst)..... 285
- Liver
 - dimethylnitrosamine growth and ethanol inhibition (abst)..... 245
 - transplantation (abst)..... 595
 - acute fatty *l.*
 - and nephrotic syndrome (abst) 153
- LLC-PK1 cells,
 - exposure to oxygen and effect on ammoniogenesis (abst)..... 271
 - glycolysis, ATP and membrane integrity (abst) 236
 - Na^+ -H exchange (abst) 305
 - pH dependency of amiloride sensitive Na-H antiporter. 285
- Loop of Henle
 - effects of adrenalectomy (abst) 322
 - effects of K loading and electrolyte transport (abst) ... 317
 - stop flow pressure and filtration rate response (abst)... 293
- Luminal calcium
 - role in fluid absorption (abst) 120
- Luminal membrane
 - effects of vasopressin-stimulated water flow (abst) 324
 - presence of anion exchanger (abst)..... 335
- Luminal sodium
 - effect on cytosolic ion activities (abst) 315
 - role in potassium secretion 886
- Lymphocyte
 - action of MLR-generated suppressor T (abst) 344
 - antibody-induced experimental glomerulonephritis (abst)..... 530
 - effect of single dose prednisolone (abst)..... 349
 - function-associated antigen (abst) 215
 - monoclonal antibody (anti-act I) (abst)..... 594
 - phenotypic identification in allograft rejection (abst) ... 206
 - transferrin restores serum for IgG synthesis (abst) 225
 - with cyclosporine and azathioprine treatments (abst) .. 343
- Lymphokine response
 - cyclosporin (abst)..... 594
- Lympholysis
 - donor-specific studies in allograft recipients (abst)..... 345
- Lymphoma
 - vitamin D (abst)..... 103
- Lymphoproliferation
 - cyclosporin A (abst)..... 597
- Lysine
 - acute renal failure (abst) 517
- Lysosome absorption
 - effect of age in proximal tubules (abst)..... 331
- ^{99m}Tc -DTPA nuclear imaging
 - to determine GFR (abst) 143
- Macrophage
 - accumulation in Bowman's space 855
 - antibody-induced experimental glomerulonephritis (abst)..... 530
 - attachment to glomeruli..... 855
 - decreased fibronectin secretion during CAPD (abst) ... 179
 - Fc-receptor (abst) 93
 - release of eicosanoid precursor fatty acids (abst)..... 179
 - supernatants stimulate mesangial proliferation (abst)... 216
- Macula densa
 - visualization of isolated and perfused *m.d.* (abst) 303
- Magnesium
 - abnormalities after repeated doses of cis-platinum..... 144
 - calcium-induced vascular changes (abst) 203
 - effects of vitamin D on *m.* handling 864
 - renal wasting in autosomal dominant inheritance (abst). 707
 - urate lithiasis in HD patients (abst)..... 830
 - uremia (abst) 523
 - m.* depletion
 - effects on skeletal muscle cellular bioenergetics (abst)..... 109
 - m.* excretion
 - cacitonin (abst)..... 394
 - m.* transport
 - and NaCl transport (abst) 306
 - effect of salmon calcitonin (abst)..... 125
 - m.* wasting
 - following cisplatin therapy (abst)..... 127
- Magnetic resonance imaging
 - following renal transplantation (abst) 340
- Maleate
 - stimulates glutamine metabolism (abst)..... 272
- Maleic acid
 - effects on vasopressin-stimulated water flow (abst) 328
- Mannitol
 - cyclosporin (abst)..... 594
 - infra-aortic clamping and renal function (abst)..... 598
- Matrix, extracellular
 - immune complexes and heparan sulfate-rich sites (abst) 210
- Medrohalol
 - i.v. treatment for arterial hypertension (abst)..... 187
- Medulla
 - damage due to impaired urinary concentration mechanism 792
 - isolation of H^+ ATPase 288
 - state of hydration and solute concentration (abst) 306
- Medullary membrane
 - presence of H^+ -ATPase (abst) 280
- Membrane, basolateral cell
 - endocytosis (abst) 59
- Membrane order
 - role of specific lipids (abst) 273
- Membrane permeability, renal
 - modulation by copper (abst) 315
- Mercury
 - distribution in kidney 898
 - m.* poisoning
 - effects on lung and kidney 898

- excretion of mercury post poisoning 898
treatment 898
- Mesangium**
acute hypertension (abst) 31
and spontaneous glomerular IgA deposition 756
cell-to-substrate adhesion and hormones (abst) 259
effect of calcium antagonist on prostaglandin production (abst) 259
effects of eicosapentaenoic acid on PGE synthesis in 5/6 NX rat 264
effects of leukotriene C4 in culture (abst) 256
function in glomerular sclerosis (abst) 405
localization of polyvinyl alcohols 751
PGE₂ and TXB₂ production by platelet activating factor (abst) 267
platelet activator stimulates oxygen radical release (abst) 222
pyrimidine nucleotide metabolism in rat 274
serotonin stimulates PGE in rat (abst) 252
stimulates cAMP accumulation (abst) 265
techniques for isotonic contraction (abst) 269
- Metabolic bone disease**
role of transfusion iron in maint. dialysis patients (abst) 127
- Metabolism**
altered divalent iron *m.* in early renal failure (abst) ... 565
dialysis (abst) 601
intracellular *m.*
prostaglandins inhibit ammoniogenesis 283
myocardial *m.*
effect of PTH 718
oxidative *m.*
role of bradykinin and arachidonic acid (abst) 253
renal *m.*
and chemically-induced cell carcinoma (abst) 275
- Metaclopramide**
effects on renal plasma flow in humans (abst) 296
- Metalloprotease**
activation of prokallikrein 630
- Metals, heavy**
lysosomes (abst) 39
- Metenkephalin**
uremia (abst) 95
- Metronidazole**
hemodialysis clearance of *m.* (abst) 165
- MHC product expression**
mechanism of changes in mouse (abst) 212
- Microalbuminuria**
in obese Zucker rat (abst) 297
- Microcirculation**
of glomerular capillaries (abst) 17
- Microdissection**
of rabbit arterioles to measure renin 762
- Microelectrode techniques**
to study proximal tubule reabsorption (abst) 330
- Microperfusion**
to compare distal convoluted and cortical collecting tubules (abst) 317
- Microscopy, electron**
electrical properties of collecting duct (abst) 309
- Microspheres**
distribution in cat kidney (abst) 300
- Microvessels**
biosynthesis of PGI₂ and PGE₂ (abst) 259
- Microvillus membrane**
fucosylation of glycoprotein after ischemia (abst) 236
- Na-coupled Cl transport in dog (abst) 312
- Mineralocorticoid**
amiloride and Na transport (abst) 263
effects on sodium reabsorption and potassium secretion 886
potassium excretion, Editorial Review on 379
m. escape
site of calcium rejection (abst) 116
- Minimal change lesion**
paucity in young children (abst) 149
- Mitochondria**
hydrogen peroxide induced by gentamicin (abst) 238
respiratory enzyme integrity during gentamicin (abst) .. 227
two types in cortical collecting tubules (abst) 288
- MK-421**
effects on renal blood flow (abst) 297
- Molecular structure**
of diuretics (abst) 327
- Monocyte**
chemiluminescence (abst) 594
cryoglobulinemia-associated glomerulonephritis (abst) .. 93
intraglomerular *m.*
proliferative glomerulonephritis (abst) 94
- Mononuclear phagocyte system**
in idiopathic glomerulonephritis (abst) 93
- Muckle and Wells syndrome**
cause of renal amyloidosis (abst) 829
- Muscle metabolism**
insulin-mediated in acute renal failure (abst) 229
- Muscle tissue**
measurement of K by NMR (abst) 313
- Myelinolysis**
in rabbits following rapid correction of hyponatremia (abst) 141
- Myeloma, multiple**
anion gap, Nephrology Forum on 472
light-chain nephropathy, Nephrology Forum on 582
- Myoglobin**
and post-traumatic renal insufficiency (abst) 235
- NADPH**
PTH (abst) 401
- Naloxane**
uremia (abst) 95
- Naproxen**
prostaglandins (abst) 66
prostaglandins (abst) 512
- Natriuresis**
effect of carbohydrate intake (abst) 143
induced by atriopeptin, dependent on renal vasodilation (abst) 294
pressure dependence in 2-k, 1-c Goldblatt rat 731
tolerance to atrial natriuretic peptide (abst) 268
- Natriuretic factors**
and Na transport in tubules (abst) 263
- Natriuretic hormone**
marker for in HD patients (abst) 186
- Necrosis, aseptic**
in renal transplant recipients (abst) 340
renal transplantation (abst) 597
- Neotetrazolium chloride**
NADPH (abst) 401
- Nephrectomy**
effect of acute potassium load in rat 919
graded volume repletion (abst) 305
native *n.* improves rat renal isografts (abst) 339

- potassium secretion after *n.* 636
 uremia (abst) 523
 nephrectomy 5/6
 effect of eicosapentaenoic acid on PGE synthesis in
 mesangial cells (abst) 264
 effect of protein intake 739
 Nephrectomy, unilateral
 effects on glomerular solute transport in humans (abst). 251
 enhanced Na-H antiport in proximal tubule cells (abst). 249
 in childhood (abst) 600
 Nephritis, antiglomerular basement membrane
 (anti-GBM)
 heterologous 643
 influence of immune reaction site 938
 role of terminal complement pathway 643
 soluble immune response suppressor in *n.* urine (abst) . 222
 transfer of plasma anti-GBM auto-antibodies in sheep
 (abst) 223
 hereditary *n.*
 clinical spectrum, Nephrology Forum on 83
 Heymann *n.*
 absence of glycoprotein in human kidney (abst) 211
 antigen in rat serum that cross reacts (abst) 223
 effects of cyclosporin (abst) 207
 pathogenic autoantibody specificities (abst) 213
 role of impaired organic ion transport (abst) 248
 terminal complement complex (abst) 388
 idiopathic interstitial *n.*
 leucocyte interstitial infiltrate (abst) 225
 IgA *n.*
 spontaneous glomerular IgA deposition in ddY mice . 756
 immune complex *n.*
 role of terminal complement components (abst) 209
 interstitial *n.*
 caused by nitrofurans, activated by prostaglandin H
 (abst) 239
 lupus *n.*
 immunosuppressive therapy (abst) 204
 prognosis (abst) 142
 murine lupus *n.*
 increased thromboxane production 214
 role of anti-DNA antibodies (abst) 211
 nephrotoxic *n.*
 procoagulant activity in urine and glomeruli (abst)... 226
 nephrotoxic serum *n.*
 eicosanoid production by glomeruli (abst) 211
 treatment with antihypertensive therapy (abst) 248
 passive Heymann *n.*
 colchicine reduces proteinuria (abst) 218
 proteinuria (abst) 600
 serum sickness *n.*
 poly C9 and proteinuria and loss of anion sites (abst) 219
 streptococcus mutans-induced *n.*
 longitudinal studies in the rabbit (abst) 204
 tubulo-interstitial *n.*
 cell-mediated autoimmune, in Lewis rat (abst) 205
 L3R4⁺ helper T cells induce Lyt 2⁺ effector T cells
 (abst) 217
 suppressor T cell inhibits α TBM disease (abst) 219
 role of dietary protein in development of immune-
 mediated TBM disease (abst) 240
 Nephritogenicity
 IgA molecular form-*n.* correlates with immune com-
 plex (abst) 221
 Nephrocalcinosis
 calcium metabolism 774
 Nephrology Forum
 clinical spectrum of hereditary nephritis 83
 disorders associated with an altered anion gap 472
 light-chain nephropathy 582
 primary acquired hypoadosteronism 690
 renal vasculitis 954
 renal vascular hypertension 811
 Nephron
 α 2-adrenoceptor and cAMP levels in isolated single
 segment (abst) 269
 bicarbonate secretion during metabolism alkalosis
 (abst) 281
 handling of acid during acidosis (abst) 278
 handling of potassium and sodium in acute glomerulo-
 nephritis (abst) 250
 Na-K-ATPase (abst) 94
 Na-K-ATPase following uninephrectomy (abst) 274
 potassium excretion, Editorial Review on 379
 amphibian *n.*
 transport of bicarbonate (abst) 291
 juxtamedullary *n.*
 phosphate reabsorption in 879
 n. loss
 adaptations in chronic renal disease (abst) 242
 n. loss adaptation
 gain amplification in CRD (abst) 246
 single *n.*
 proximal tubule morphology after obstruction (abst) . 231
 superficial *n.*
 phosphate reabsorption 879
 Nephropathy
 lithium-induced, a 3-yr prospective study (abst) 141
 protein/albumin excretion (abst) 94
 de novo membranous *n.*
 variability of course (abst) 343
 diabetic *n.*
 response to protein loading (abst) 241
 with diabetes mellitus (abst) 138
 experimental *n.*
 Heymann nephritis (abst) 388
 IgA *n.*
 environmental antigens (abst) 210
 light-chain *n.*
 similarities to membranoproliferative glomerulone-
 phritis (abst) 223
 Nephrology Forum on (abst) 582
 membranous *n.*
 GBM changes with heparan sulfate (abst) 212
 non-diabetic *n.*
 with diabetes mellitus 138
 primary IgA *n.*
 charge restriction of mesangial IgA (abst) 218
 sickle cell *n.*
 insights into its pathophysiology, Editorial Review
 on 711
 Nephrosis
 effects of dietary protein intake (abst) 352
 podocalyxin in puromycin aminonucleoside-induced *n.*
 (abst) 215
 aminonucleoside *n.*
 mesangial function and glomerular sclerosis (abst)... 405
 role of oxygen free radicals 230
 congenital *n.*
 laminin and type IV collagen 662

- puromycin aminonucleoside *n.*
 application of monoclonal antibodies (abst) 219
- Nephrotic serum, human
 transferrin restores for IgG synthesis (abst) 225
- Nephrotic syndrome
 altered GBM anionic sites (abst) 217
 edema (abst) 706
 intestinal absorption (abst) 98
 plasma volume and renin activity (abst) 706
 primary renal amyloidosis presenting as *n.s.* (abst) ... 132
 puromycin aminonucleoside glomerular neuaminidase
 activity in (abst) 205
 scanning electron microscopy of acellular glomeruli ... 678
 study of 48 infants (abst) 544
 vasopressin (abst) 598
- idiopathic *n.*
 children (abst) 442
 evaluation of renal vein thrombosis (abst) 352
 variant of malignant focal segmental hyalinosis (abst) 155
- Nephrotoxicity
 Bence Jones protein nephrotoxicity (abst) 46
 cyclosporin A-induced (abst) 593
 effect of PTX (abst) 230
 radiocontrast *n.*
 a prospective audit (abst) 153
- Nerve, renal
 effect on NaHCO_3 and NaCl reabsorption (abst) 279
 trophic effects of efferent *r.n.* (abst) 313
 stimulation *r.n.*
 role of calcium in renin secretion (abst) 254
 sympathetic *r.n.*
 mediate hypoperfusion in circulatory impairment
 (abst) 232
- Nervous system, sympathetic
 captopril and nifedipine (abst) 97
- Netilmicin
 compared with tobramycin (abst) 146
- Neutrophil
 decreased destruction during HD (abst) 172
- Nicotinamide
 effect on renal transport (abst) 118
- Nifedipine
 antihypertensive effect (abst) 97
 effects on excretion of saline load in patients (abst) ... 199
 in hypertension: non-invasive Doppler cardiac output
 (abst) 188
- Nitrofurans
 cause interstitial nephritis (abst) 239
- Nitrogen
 chronic renal failure (abst) 58
 effect of low serum triiodothyronine on metabolism in
 CRF (abst) 246
 hemofiltration (abst) 97
 measured (abst) 58
- N^1 -methylnicotinamide
 transport in snake proximal tubule (abst) 325
- Non-cyclooxygenase
 archidonic acid and renal hemodynamics in dog (abst) . 299
- Non-hypotensive sepsis
 ARF produced in large animal model (abst) 233
- Norepinephrine
 free and conjugated plasma *n.* in HD (abst) 167
 plasma *n.* levels in adolescent hypertension (abst) 192
 response in pregnant rat (abst) 294
 role of PTX and PG in CRF (abst) 242
- Nuclear magnetic resonance (NMR)
 bilirubin (abst) 51
 measure of intracellular Na^+ (abst) 314
 measure of K in muscle and kidney (abst) 313
 study of immobile renal tubules (abst) 276
 to measure Na^+ and K^+ fluxes (abst) 302
 to study tissue heterogeneity (abst) 270
- Nucleotide
 coupling with glomerular angiotensin II receptor (abst) . 253
- Nutrition
 total parenteral *n.*, Editorial Review on 489
- Obesity, genetic
 effects on renal function in rat (abst) 245
o. in rat
 and glomerular hyperfiltration (abst) 297
 protects the obstructed kidney from gentamicin
 (abst) 234
- Octanol
 effect on enzyme and transport systems (abst) 324
- Ocular defects
 Alport syndrome, Nephrology Forum on 83
- Ontogeny
 role of extra renal renin (abst) 258
- Opioids, endogenous
 uremia (abst) 95
- Organ culture
 serum-free metanephric, and cyst formation (abst) 205
- Organic ion transport
 role of impaired mechanism in Heyman nephritis (abst) 248
- Orthoclone OKT*3
 treatment of allograft rejection (abst) 341
- Osmolality
 drop reduces solute transport (abst) 336
- Osmotic fragility
 effect of hyperparathyroidism (abst) 115
- Osteoblasts
 effect of PTH levels in bone (abst) 122
- Osteoclast activity
 end-stage renal disease (abst) 599
o. enlargement
 end-stage renal disease (abst) 574
- Osteodystrophy
 desferrioxamine therapy in aluminum-related *o.* (abst) . 148
 in children, effects of dialysis modalities (abst) 181
 renal *o.*
 differential response in CAPD and HD patients (abst) 127
- Osteomalacia
 and osteopenia caused by aluminum (abst) 161
 effects of desferrioxamine on aluminum-induced *o.*
 (abst) 165
 role of aluminum intoxication (abst) 114
- Osteopenia
 and osteomalacia caused by aluminum (abst) 161
- Ouabain
 influence on Na transport in uremia (abst) 243
 role in potassium secretion 886
 to regulate Na-K-ATPase activity (abst) 318
- Oxalosis
 a rat model (abst) 206
- Oxygen
 LLC-PK, cells and direct exposure and
 ammoniogenesis (abst) 271
o. consumption
 and Na reabsorption and ATP synthesis (abst) 273

- o. free radicals
 - role in aminonucleoside nephrosis (abst). 230
- o. radical
 - cause of proteinuria following complement activation (abst). 220
 - involvement in arachidonic acid metabolism (abst) . . 232
 - involvement in tubular cell injury (abst) 232
 - phorbol myristate acetate induced glomerular injury (abst). 503
 - platelet activator stimulates release in mesangium (abst). 222
- o. uptake
 - effects of amino acid infusion (abst) 272
- Oxytocin
 - prostaglandin-o. interaction in dehydrated rat (abst) . . 326
- Pancreas
 - effect of CRF on structure and function (abst). 245
- Pancreatitis, acute
 - in renal failure, immune complex deposits during (abst) 131
- Papilla, rat
 - two X-ray comparison techniques (abst). 304
- Para-aminohippurate extraction
 - effects of hypertonic radio contrast medium (abst) . . . 146
- Para-aminohippurate hormone (PAH)
 - and urate excretion in anesthetized rabbit (abst) 325
 - p. secretion
 - inhibition by serum proteins in proximal tubules (abst). 336
 - p. transport
 - study of influx and efflux in proximal tubules (abst). . 331
- Parathyroid
 - autografts, growth and function (abst) 118
 - hypertension (abst) 96
 - p. glands
 - enlargement in HD patients (abst). 125
- Parathyroidectomy
 - effect on gentamicin, nephrotoxicity, and calciuria (abst). 230
 - hemodialysis (abst) 426
 - subtotal p.
 - increased bone aluminum deposition in HD patients . 785
- Pars recta
 - NADPH 401
- Pediatric nephrology
 - Alport syndrome, Nephrology Forum on 83
 - CAPD and CCPD in 82 children (abst) 558
 - crescentic glomerulonephritis in 50 children (abst). . . . 450
 - focal segment glomerulosclerosis (abst) 442
 - long-term follow-up of unilateral nephrectomy (abst). . . 600
 - nephrotic syndrome (abst). 98
 - pre-natal diagnosis of kidney disorders by ultrasound (abst). 600
 - study of 48 infants with nephrotic syndrome (abst) . . . 544
 - nitrogen balance/growth (abst) 97
- Pelvis, renal
 - electrolyte flux in rat (abst). 302
- Peptide
 - hypertensogenic, derived from pro-opiocortin (abst) . . 191
 - atrial natriuretic p.
 - determined by radioimmunoassay 260
 - tolerance to (abst) 268
 - intestinal p.
 - vaso-action effects on renal function (abst). 310
- Perfusion
 - action of sodium orthovanadate and potassium (abst) . . 301
 - calcium entry modulation and sodium excretion (abst) . 307
 - cold storage vs. machine p. in cadaveric kidneys (abst) 342
 - effect of wheat germ agglutinin (abst). 213
 - effects of verapamil after warm ischemia (abst) 229
 - flow rate and tubule adaptation (abst). 311
 - intrarenal effects of atriopeptin II (abst) 311
 - of isolated and perfused macula densa (abst) 303
 - role of fibrinogen in glomerular permeability 808
 - sodium delivery in proximal tubules (abst). 309
 - urinary PAH and urate excretion (abst) 325
 - p. pressure
 - chemoreceptor activation (abst). 187
- Peritoneal transport
 - effects of time, diabetes, and hypertension (abst) 179
- Peritoneum
 - fat absorption (abst). 183
- Peritonitis
 - and decreased fibronectin secretion in CAPD (abst) . . . 179
 - bacterial, Tenckhoff removal not necessary for treatment (abst) 186
 - CAPD and CCPD in 82 children (abst). 558
 - reduction using a patient assist device (abst) 180
 - sclerosing p. on CAPD, acetate vs. lactate (abst) 183
- Peritubular activity
 - and proximal fluid reabsorption (abst) 311
- Pertussis toxin
 - blunts PGE₂ inhibition of ADH-stimulated V_e in thick ascending limb (abst) 255
 - effects on renin secretion (abst) 262
 - reverses PGE₂ inhibition of arginine vasopressin and forskolin (abst) 252
- pH
 - chronic hypercapnia (abst) 538
 - cellular pH
 - regulation in toad bladder (abst) 324
 - two types of mitochondria rich cells, determined by c. pH (abst). 288
 - pH dependency
 - of amiloride-sensitive Na-H antiporter in LLC-PK1, (abst). 285
 - intracellular pH
 - ATP-dependence, in medullary collecting duct (abst). 291
 - basolateral HCO₃-transport in tubules (abst). 286
 - change of luminal pH, P_{CO₂} and HCO₃ (abst) 287
 - CO₂ stimulation of H⁺ secretion (abst) 280
 - effect of respiratory acidosis (abst) 290
 - optical measurements, Cl-HCO₃ exchange (abst) 279
 - luminal pH
 - change in P_{CO₂} and HCO₃ on intracellular pH (abst) . 287
 - urinary pH
 - Bence Jones protein nephrotoxicity (abst) 46
- Phenotype
 - of leucocytes in the human kidney (abst) 209
- p. identification
 - of intraepithelial lymphocytes in allograft rejection (abst). 206
- Phenytoin
 - p. disposition and protein binding during CAPD (abst) . 178
- Pheochromocytoma
 - conflicting results of diagnostic imaging (abst) 201
- Phloretin
 - luminal site by autoradiographic techniques. 726
- Phlorizin
 - effect on fluorescence of BBM (abst) 329

- receptor in BBM (abst) 334
- Phorbol myristate acetate
 - oxygen radicals (abst) 503
 - role in exocytosis, endocytosis, and hydroosmosis in toad bladder (abst) 330
- Phosphate
 - disturbed homeostatis (abst) 703
 - effects of vitamin D 864
 - p.* binder
 - calcium carbonate in children on dialysis (abst) 185
 - p.* deficiency
 - total parenteral nutrition, Editorial Review on 489
 - p.* depletion
 - arrests progression of CRF (abst) 246
 - p.* excretion
 - effects of acute phosphate loading (abst) 113
 - p.* reabsorption
 - during hypocapnia (abst) 109
 - in proximal tubule in dog 879
 - influence of volume flux (abst) 117
 - tubular capacity in superficial and deep nephrons (abst) 117
 - p.* restriction
 - and proteinuria in rats (abst) 251
 - effect on vitamin D metabolites in ERF (abst) 128
 - p.* transport
 - effect of acute acidosis (abst) 121
 - effect of nicotinamide (abst) 118
 - in proximal tubule in dog 879
 - inhibition by PTH in opossum kidney (abst) 111
 - Na⁺ independence in basolateral membrane (abst) ... 126
 - some unusual features (abst) 120
 - p.* uptake
 - role of trifluoperazin (abst) 118
 - p.* wasting
 - in renal transplant recipients (abst) 349
- Phosphatidylcholine transfer
 - effect of vitamin D (abst) 119
- Phosphaturia
 - correlation of cytosolic pH and phosphate 112
 - role of volume expansion-induced *p.* in proximal straight tubule (abst) 123
 - variability of effects by PTH (abst) 124
- Phospholipids
 - influence of PTH (abst) 122
 - with vasopressin cAMP, and prostaglandins in toad bladder (abst) 264
- Phosphorus
 - effect of amino acid on reabsorption 951
 - p.* metabolism
 - effects of dialysis modalities, in children (abst) 181
 - plasma *p.*
 - effects of racemic and levo lactic acid (abst) 286
- Phosphorus ion
 - ³¹P NMR
 - to measure renal pH (abst) 277
- Physical fitness
 - dialysis (abst) 601
- PK₁ cells
 - optical measurement, Cl-HCO₃ exchange (abst) 279
- Plasma
 - effect of potassium depletion and acidosis (abst) 290
 - levels and PTH (abst) 401
 - vasopressin (abst) 597
 - p.* flow rate
 - increased by captopril in hypertensives (abst) 339
- renal *p.* flow
 - effects of metaclopramide (abst) 296
- p.* oxalate
 - measurement by gas chromatography and mass spectrometry (abst) 126
- Plasmapheresis
 - follow-up of treatment in children (abst) 347
- Plasma, uremic
 - impaired small ligand binding (abst) 244
- Plasmin
 - activation of prokallikrein 630
- Plasminogen
 - lipoproteins balance production in endothelial cells (abst) 213
- Platelet activating factor
 - after immune complex (abst) 206
 - effect on prostaglandin release (abst) 269
 - stimulates oxygen radical release (abst) 222
 - stimulation of PGE₂ and TXB₂ in mesangium (abst) ... 267
- Pneumonia, *Legionella pneumophila*
 - outbreak after immunosuppressive injections (abst) ... 830
- PO₄ transport
 - abnormalities in SHR (abst) 123
- Podocalyxin
 - in puromycin aminonucleoside-induced nephrosis (abst) 215
- Poly C9
 - association with proteinuria and anionic sites (abst) ... 219
- Polyclonal B cell
 - modulation of clearance of immune complexes (abst) .. 207
- Polycystic kidney disease
 - abnormal epithelia grown in vitro (abst) 226
 - autosomal dominant, in children (abst) 153
 - CAPD in patients with *p.k.d.* (abst) 183
- Polycythemia
 - following renal transplantation (abst) 342
- Polyethyleneimine
 - movement across glomerular wall (abst) 292
- Polyuronic acid
 - a non-aluminum phosphate binder (abst) 147
- Polyvinyl alcohol
 - localization and thickness of glomerular basement membrane 751
- Postprandial
 - effects on renal hemodynamics (abst) 291
- Potassium
 - "delayed rectifier" in K channel in neuroblastoma cells (abst) 316
 - effect in kidney perfusion (abst) 301
 - effect of acute load on reabsorption 919
 - effect of prostaglandin inhibition (abst) 312
 - effects in Blacks with hypertension (abst) 194
 - effects of high K diet and circadian K excretion (abst) . 318
 - extrarenal role of aldosterone (abst) 258
 - hormonal control, Editorial Review on 379
 - measurement by NMR in muscle and kidney (abst) ... 313
 - nephron handling in acute glomerulonephritis (abst) ... 250
 - p.*-aldosterone axis in dogs with chronic renal insufficiency (abst) 242
 - prevents stroke death without lowering blood pressure (abst) 201
 - role of renal regulation in *p.* and sodium balance, Editorial Review on 837
 - two-tiered control system (abst) 250
- Potassium chloride transport

- in basolateral membrane vesicles (abst) 307
- Potassium deficiency
- decreases vasopressin stimulation of adenylate cyclase (abst). 327
- p.* depletion
- acidosis changes in plasma (abst) 290
- effects of cAMP, forskolin, and isobutyl methyl xanthine (abst) 332
- effects of depletion in SHR (abst) 195
- induces hyperreninemia in rat (abst). 264
- measurement of renal pH by ^{31}P NMR (abst). 277
- dietary *p.*
- effect of restriction on bicarbonate reabsorption (abst). 279
- effect on ^{22}Na rate efflux coefficient (abst) 322
- p.* disposal
- calcium channel blockers enhance (abst) 320
- p.* excretion
- adaptation to high K diet (abst). 318
- effect of aldosterone and corticosterone (abst) 323
- p.* loading
- effects on Henle's loop electrolyte transport (abst) . . 317
- p.* metabolism
- adrenergic modulation during exercise (abst) 136
- p.* pathways
- DOCA regulation in tubule (abst) 319
- p.* permeability
- in distal convoluted tubule (abst). 322
- plasma *p.*
- and acidosis related to volume expansion (abst). 285
- p.* secretion
- after nephrectomy 636
- effects of amiloride, ouabain, and luminal sodium . . 886
- serum *p.*
- renal renin response (abst). 260
- side effect of cyclosporine (abst). 349
- p.* transport
- effects of vasopressin and bradykinin (abst) 321
- transport (abst). 103
- p.* uptake
- effects of anoxia in thick ascending limb (abst) 271
- Potassium ion
- p.i.* channels
- Ba^{++} sensitive, Ca^{++} activated (abst). 309
- p.i.* depletion
- paradoxical, an extrarenal adaptation (abst) 320
- p.i.* flux
- NMR measurement in proximal tubule (abst). 302
- p.i.* loading
- and paradoxical K^{+} depletion (abst) 320
- p.i.* permeability
- effects of cell swelling in toad bladder (abst) 305
- p.i.* restriction
- adaptation of K^{+} transport in colon (abst) 321
- p.i.* secretion
- chemical maturity in cortical collecting tubule (abst) . 319
- p.i.* transport
- adaptation by colon to K^{+} dietary restriction (abst).. 321
- Potential difference (PD)
- positive transepithelial *p.d.* in early distal segments . . 622
- transepithelial, effect of cisplatin. 842
- Prazosin
- putative central effects of urapidyl (abst) 201
- Pre-hypertension
- prostaglandin alterations in *p.* Dahl rats (abst). 268
- Predilution
- effect during continuous AV hemofiltration (abst) 164
- Prednisolone
- effect of prolonged alternate day therapy on mesangiocapillary glomerulonephritis patients (abst) . 130
- effect on lymphocytes (abst) 349
- pharmacokinetics in cushingoid/non-cushingoid kidney transplant patients (abst) 459
- Prednisone
- idiopathic membranous glomerulonephritis (abst) 600
- reversal of renal insufficiency in sarcoid nephritis (abst) 136
- Pre-eclampsia
- and lead excretion (abst) 139
- Pregnancy
- changes in angiotension II receptors (abst). 254
- chronic renal failure (abst). 95
- renal allograft recipients (abst) 74
- p.* in rat
- effect of ANF (abst). 314
- effects of indomethacin on single nephron hemodynamics (abst). 294
- tubulo-glomerular feedback (abst) 292
- vascular response to vasoconstrictors (abst). 294
- Pressure, arterial
- long-term effects of vasopressin (abst) 326
- Pressure dependence
- of exaggerated natriuresis in Goldblatt rat 731
- Pressure regulation
- proteinuria after protamine sulfate perfused kidney (abst). 293
- Pressure, vasa recta
- role in pressure diuresis response (abst). 298
- Procainamide
- transport action by BBM vesicles (abst). 330
- Procoagulant activity
- in urine and glomeruli in rabbit with nephritis (abst) . . 226
- Prognosis
- renal allograft biopsy (abst). 597
- Prokallikrein, renal
- activation by serine and metalloprotease 630
- Pro-opioid
- gamma MSH, a hypertensive peptide derived from *p.* (abst). 191
- Prostaglandin
- alteration in pre-hypertensive Dahl rats (abst) 268
- biosynthesis inhibition effect of furosemide on chloride transport (abst). 259
- dependence of blood flow during converting enzyme inhibition (abst) 297
- effect of calcium antagonist in mesangium (abst) 259
- effect of inhibition on K homeostasis (abst) 312
- effect of inhibition of non-loop diuretics (abst). 261
- effect of platelet activating factor (abst) 269
- effects of complement depletion and thromboxane (abst). 216
- effects of imidazole on production 892
- ibuprofen, naproxen, and sulindac (abst) 66
- inhibits ADH-stimulated chloride absorption (abst) . . . 316
- inhibits ammoniogenesis intracellularly (abst). 283
- long-term effects of vasopressin on excretion (abst) . . . 326
- modulates GFR in rat on high protein diet (abst). 267
- oxytocin-*p.* interaction in dehydrated rat (abst) 326
- reversal of vasoconstriction by diltiazem (abst) 296
- role in macrophage binding 855
- role with norepinephrine in CRF (abst) 242

- vasopressin-stimulated water flow (abst) 512
 with vasopressin cAMP, and phospholipids in toad bladder (abst) 264
 PGD₂
 stimulates vasopressin secretion in vitro (abst). 255
 PGE
 effect of eicosapentaenoic acid in 5/6 NX rat (abst) . . 264
 PGE₂
 action in perfused rabbit cortical collecting tubule (abst) 331
 action on vasopressin in cortical collecting tubule (abst) 332
 angiotensin II affects synthesis (abst) 256
 biosynthesis in microvessels (abst) 259
 control by rat inner medullary collecting tubule (abst) 253
 effects on vasopressin-induced water flow in toad bladder (abst) 329
 in dogs with chronic low cardiac output (abst) 293
 influence on humoral and cellular immune response in treatment (abst) 217
 inhibited by indomethacin (abst) 233
 inhibits chloride transport in medullary thick ascending limb (abst) 260
 mediates fluid reabsorption in proximal tubule (abst). . 321
 mediates Na-H antiport by angiotensin II (abst). . . . 254
 modulator of Na-H antiport in tubule (abst) 257
 pertussis toxin in thick ascending limb (abst) 255
 pertussis toxin reverses effects in rabbit epithelium (abst) 252
 production in mesangium by platelet activating factor (abst) 267
 release in single perfused glomerulus (abst) 297
 role in cAMP synthesis (abst) 335
 serotonin stimulates production in rat mesangium (abst) 252
 16,16-dimethyl nephrotoxicity (abst) 593
 stimulates mouse mesangial proliferation (abst) 216
 stimulates vasopressin secretion in vitro (abst). . . . 255
 synthesis and degradation in rat (abst) 261
 PGI₂
 biosynthesis in microvessels 259
 biosynthesis in SHR (abst). 256
 functional interaction with angiotensin II (abst) 270
 role in gentamicin-treated rats (abst) 235
 PGH synthase
 activates nitrofurans and causes nephritis (abst). . . . 239
 Protamine sulfate
 effect on established glomerular immune deposits (abst) 206
 proteinuria after pressure regulation, perfusion in rat (abst) 293
 Protein
 aldosterone-induced *p.* by chromatography 306
 basolateral endocytosis (abst) 39
 CAPD improves synthesis (abst). 182
 excretion (abst) 94
 excretion in acute hypertension (abst) 31
 lipid stores and *p.* modulation in stressed uremic rats . 251
 modulates NaCl absorption (abst). 303
 nitrogen (abst) 58
 renal *p.* changes in hydronephrosis (abst). 274
 restriction in diet and renal failure (abst) 553
 urinary *p.* (abst) 705
 Bence Jones *p.*
 hypercalcemia increases nephrotoxicity (abst) 238
 p. binding
 phenytoin disposition during CAPD (abst) 178
 p. degradation
 indomethacin does not decrease muscle *p.d.* (abst) . . 233
 dietary *p.*
 effect on tubulo-glomerular feedback (abst) 299
 p. intake
 and GFR in growth hormone-deficient adult (abst). . . 296
 effects on experimental nephrosis (abst) 352
 role on phosphate depletion in CRF (abst) 246
 p. kinase C
 inhibits vasopressin-induced water flow in toad bladder (abst). 334
 light-chain *p.*
 light-chain nephropathy, Nephrology Forum on 582
 p. loading
 effect on vascular reactivity (abst). 245
 prostaglandins modulate GFR (abst) 267
 reponse in diabetic nephropathy (abst) 241
 plasma *p.*
 and sampling techniques (abst) 295
 carbamoylation in CAPD and HD (abst). 181
 platelet cationic *p.*
 following immune complex-induced platelet activation (abst) 206
 p. restriction
 and proteinuria in rat (abst) 251
 effect on renal function in partial nephrectomy 739
 effect on vitamin D metabolites in ERF (abst) 128
 in chronic renal insufficiency (abst). 137
 role after established renal injury (abst) 248
 role in α -TBM disease and nephritis (abst). 240
 role in salt-induced hypertension glomerular damage (abst) 249
 serum *p.*
 control of proximal tubule PAH secretion (abst) 336
 p. turnover
 effect of metabolic acidosis (abst) 274
 Proteinase
 elimination of a metallo *p.* during HD (abst) 175
 p. activity
 effect of age in proximal tubule (abst). 331
 p. inhibitor
 effect of dialyzer on (abst) 171
 Proteinuria
 aminonucleoside nephrosis (abst) 405
 antibody-induced experimental glomerulonephritis (abst). 530
 caused by antibodies to heparan sulfate proteoglycans (abst). 218
 colchicine (abst). 600
 colchicine reduces *p.* in passive Heymann nephritis (abst). 218
 following renal donation (abst) 137
 48 infants with nephrotic syndrome (abst) 544
 Heymann nephritis (abst) 388
 idiopathic Bence Jones *p.* and light-chain nephropathy, Nephrology Forum on 582
 in protamine sulfate-perfused kidney (abst) 293
 membranoproliferative glomerulonephritis (abst). . . . 436
 monocytes (abst) 93
 nephrotic *p.* in hypertension (abst) 200
 ova excretion in 667
 oxygen radical-induced *p.* following complement (abst). 220
 oxygen radicals (abst) 503

- poly C9 and loss of anionic sites in GMB in nephritis (abst) 219
- post transplantation 800
- pregnancy (abst) 74
- proliferative glomerulonephritis (abst) 94
- protein and phosphate restriction (abst) 251
- role of fibrinogen in perfused kidney 808
- light-chain *p*.
light-chain nephropathy, Nephrology Forum on 582
- malignant *p*.
a new, life-threatening syndrome (abst) 132
- Proton pump
partial resolution of clathrin-coated vesicle (abst) 289
- Proton secretion
cyclic AMP (abst) 25
- Proximal fluid reabsorption
peritubular factors and inhibition of carbonic anhydrase (abst) 311
- Pseudemys scripta*
acidification (abst) 25
- Pseudoangina
in dialysis patients (abst) 177
- Pseudohyperaldosteronism, acquired
as a complication of glomerulonephritis (abst) 146
- Puromycin aminonucleoside
nephrosis 405
- Pyrimidine nucleotide
metabolism in rat mesangial cell glomeruli (abst) 274
- Pyruvate
vasorelaxant effects (abst) 159
- Quality of life
recipients of living, related-donor renal donations (abst) 341
- Quinidine
effect on Na-H exchange (abst) 316
- effects on sodium uptake (abst) 285
- Quinine
protective effect against cisplatin (abst) 228
- Rabbit, newborn
K⁺ secretion in cortical collecting tubule (abst) 319
- Radiocontrast medium
calcium, Technical Note on 465
- theophylline attenuates intrarenal vasoconstriction (abst) 227
- Radioimmunoassay
to determine atrial natriuretic peptide (abst) 260
- to determine effects of ischemia (abst) 262
- Rats, Brattleboro, dehydrated
oxytocin and prostaglandin interactions (abst) 326
- Receptor cells
Fc and C3b mediated binding of immunoglobulin (abst) 218
- Receptors
dopamine *r*. in sheep (abst) 297
- Recombinant interleukin-2
activation of alloimmune memory cells (abst) 350
- Reflex responses
trophic effects of efferent renal nerve activity (abst) 313
- Regional citrate anticoagulation
for hemodialysis (abst) 152
- Rejection, allograft
T cells, Technical Note on 469
- Renal ablation
control of hypertension retards glomerular injury (abst) 247
- Renal action
of pure atrial natriuretic factor (abst) 258
- Renal artery stenosis
predictive value of renal vein renin ratios (abst) 203
- Renal blood flow
effects of imidazole and indomethacin 892
- Renal concentrating defect
with gastric alkalosis (abst) 284
- Renal disease, chronic
nephron loss adaptations (abst) 242
- role of gain amplification (abst) 246
- end-stage *r.d.* (ESRD)
cloning of T lymphocytes in ESRD kidneys (abst) 210
- four-year study in Saudi Arabia (abst) 173
- osteoclast activity (abst) 599
- osteoclast enlargement (abst) 574
- psychosocial outcome (abst) 600
- racial differences in genetic epidemiology (abst) 144
- serum electrolyte patterns 283
- trends in the United States (abst) 151
- polycystic *r.d.*
hemodialysis-induced (abst) 601
- Renal failure
abnormalities of platelet and coagulation functions (abst) 101
- analysis of progression (abst) 244
- course of *r.f.* in primary chronic glomerulonephritis (abst) 246
- hemotological problems (abst) 100
- protein-restricted diet (abst) 553
- acute *r.f.*
accelerated valine oxidation (abst) 273
- backleaks of furosemide prevents urinary excretion (abst) 239
- contribution of vascular decongestion (abst) 234
- due to rhabdomyolysis, vitamin D, and hypercalcemia (abst) 226
- effect of vitamin D-induced hypercalcemia (abst) 230
- electron spectroscopic imaging of (abst) 239
- etiology, treatment, and outcome (abst) 133
- evaluation of calcium in post-ischemic ARF (abst) 234
- glomerular dynamics, increased capillary resistance (abst) 240
- in Saudi Arabia (abst) 152
- lysine-induced (abst) 517
- normal cortical cell amino acid concentration (abst) 232
- pathophysiology of impaired recovery (abst) 235
- post-receptor defects in muscle metabolism (abst) 229
- potassium dichromate-induced role of renal Na-K-ATPase 229
- prediction of outcome (abst) 135
- produced by non-hypotensive sepsis in model (abst) 233
- prognosis 928
- protection by calcium channel blockers (abst) 233
- resolving stage 928
- role of calcium antagonists in dogs (abst) 235
- study of a model of creatinine kinetics 928
- thyroxine protection in gentamicin-induced ARF (abst) 230
- total parenteral nutrition, Editorial Review on 489
- unloading with furosemide reversed P_{O₂} depression (abst) 228
- urinary sediment (abst) 601
- value of intensive dialysis (abst) 162
- post-transplant *a.r.f.*

- effects of hypotension, renal insufficiency, and diabetes insipidus (abst) 344
 chronic *r.f.*
 altered lipoprotein metabolism (abst) 250
 branched chain amino acid metabolism 249
 calcium metabolism and effects of verapamil 774
 cardiac risks with (abst) 163
 case mix index for patients (abst) 160
 dimethylnitrosamine and ethanol inhibition in liver (abst) 245
 effect of acute potassium load 919
 effect of phosphate and calcium metabolism (abst) ... 123
 effect of protein intake in 5/6 nephrectomy 739
 effects of valine and tyrosine (abst) 249
 effects on structure and function of pancreas (abst) .. 245
 in transplant recipients (abst) 340
 iron overload in HD patients (abst) 171
 nitrogen (abst) 58
 pancreatic enzymes in (abst) 180
 pregnancy (abst) 95
 progression, influence of clinical follow-ups (abst) ... 240
 protein-restricted diet (abst) 553
 role of low serum triiodothyronine and nitrogen metabolism (abst) 246
 role of phosphate depletion and protein intake (abst). 246
 role of PTX, PG, and norepinephrine (abst) 242
 triglyceride-rich lipoproteins (abst) 420
 early *r.f.*
 altered divalent ion metabolism (abst) 565
 ischemic *r.f.*
 sodium bicarbonate preloading is protective (abst) ... 227
 post-transplant oliguric *r.f.*
 dopamine and furosemide infusions (abst) 339
 Renal function
 effect of amino acid and low-dose dopamine (abst) ... 300
 effect of protein intake 739
 effect of vaso-active intestinal peptide (abst) 310
 effects of atrial natriuretic factor (abst) 305
 effects of genetic obesity in rat (abst) 245
 effects of intermittent diet on conscious rats (abst) ... 295
 in uni-nephrectomized rats (abst) 242
 linoleic acid improves *r.f.* in rat (abst) 244
 long-term effects of vasopressin (abst) 326
 Renal injury
 role of protein restriction after established *r.i.* (abst) ... 248
 Renal innervation
 in the SHR (abst) 191
 Renal insufficiency, chronic
 potassium-aldosterone axis in dog (abst) 242
 post-traumatic *r.i.*
 role of myoglobin and hemorrhage (abst) 235
 Renal lesions
 in diabetic patients with nephrotic syndrome (abst) ... 156
 Renal mass, reduction
 functional and morphological consequences in dog (abst) 241
 Renal scanning techniques
 comparison of two isotopic *r.s.t.* (abst) 191
 Renal transport
 culture of proximal tubule cells (abst) 314
 effect of insulin (abst) 314
 Renal vascular resistance (RVR)
 metabolic control 848
 Renal vasculitis
 Nephrology Forum on 954
 Renal vein renin ratios
 predictive value in renal artery stenosis (abst) 203
 Renin
 effects of beta-1 receptor antagonism (abst) 188
 r. activity
 increased *r.a.* and catecholamines in CAPD (abst) ... 181
 r. content
 in rabbit afferent arterioles 762
 extrarenal *r.*
 during ontogeny in mouse (abst) 258
 r. level
 Nephrology Forum on renovascular hypertension ... 811
 r. release
 effects of adrenalectomy (abst) 322
 effects of atrial natriuretic factor (abst) 305
 renal *r.* response
 alteration of serum potassium (abst) 260
 r. secretion
 de novo formation of angiotensin II (abst) 263
 effects of pertussis toxin (abst) 262
 in isolated rabbit afferent arterioles 762
 role of calcium and renal nerve stimulation 254
 Renin-aldosterone
 effects of ANF (abst) 316
 Renin-angiotensin blockade
 and acute renal dysfunction (abst) 198
 Renovascular hypertension
 Nephrology Forum on 811
 Response, contractile
 angiotensin II affects *c.r.* in glomeruli in vitro (abst) ... 256
 Rhabdomyolysis
 and renal insufficiency with decompression sickness (abst) 145
 cause of acute renal failure, use of vitamin D (abst) ... 226
 Rifampin
 induces sunset dialysate (abst) 177
 Ritodrine
 induced hypokalemia and pulmonary edema (abst) ... 304
 RNA-INA dot blot hybridization
 localization of angiotensinogen (abst) 266
 Rubidium
 effect of restriction and salt loading (abst) 198
 vasopressin stimulates secretion (abst) 320
 S3 tubule segment
 transport-dependent cell injury (abst) 238
 Salicylate reabsorption
 in the proximal tubule (abst) 333
 Saline
 infra-aortic clamping and renal function (abst) 598
 Salmon calcitonin
 role in magnesium transport (abst) 125
 Salt sensitivity
 determination by interstitial cells determine in hypertension (abst) 198
 Sampling techniques
 variations in efferent arteriolar plasma protein (abst) ... 295
 Saralasin
 infusion in dogs with thoracic inferior vena cava constriction (abst) 312
 Sarcoidosis
 extra-renal synthesis of vitamin D (abst) 119
 Schistosomiasis, urinary
 circadian variation of ova excretion 667
 Schizophrenia, chronic

- anion gap, Nephrology Forum on 472
- Schwartzman reaction
changes induced by cyclosporine (abst) 220
- Sclerosis, glomerular
aminonucleoside nephrosis (abst) 405
- Sediment, peritoneal
CAPD (abst) 602
- urinary *s.*
acute renal failure (abst) 601
- Segment, distal
DCCD-sensitive ATPase activity (abst) 285
- proximal *s.*
DCCD-sensitive ATPase activity (abst) 285
- Serine protease
activation of prokallikrein 630
- Serotonin
proximal tubule (abst) 3
- stimulates PGE₂ in rat mesangium (abst) 252
- Serum insulin
uremia (abst) 420
- Serum, noncurrent
renal transplantation (abst) 596
- Serum, uremic
supersaturation with calcium oxalate monohydrate
(abst) 251
- Shark
fluid secretion in proximal tubules (abst) 319
- Sickle cell
new insights into *s.c.* nephropathy, Editorial Review
on 711
- Single nephron obstruction
and proximal tubular morphology (abst) 231
- SITS effect
differential time course in proximal straight tubule in
rabbit (abst) 277
- Snake
N¹-methylnicotinamide and tetraethylammonium in tu-
bules (abst) 325
- Sodium
abnormal handling in hypertension (abst) 189
- delivery from tubules in perfusion (abst) 309
- dietary intake vs. excretion (abst) 497
- effect of changes on blood pressure and renin (abst) ... 197
- effects on blood pressure (abst) 200
- essential hypertension (abst) 97
- nephron handling in acute glomerulonephritis (abst) ... 250
- role of renal regulation in *s.* and potassium balance,
Editorial Review on 837
- sensitivity and hypertension (abst) 199
- s.* bicarbonate
cardiac homotransplantation (abst) 593
- pre-loading protective in ischemic renal failure (abst) 227
- s.* calcium exchange
calcium permeability of proximal tubular cells (abst) . 334
- s.* chloride
anion gap, Nephrology Forum on 472
- s.c.* absorption
protein modulates in proximal tubules (abst) 303
- s.c.* concentration
estimate of proximal tubule interspace (abst) 318
- s.c.* transport
and magnesium transport (abst) 306
- s.c.* reabsorption
effect of renal membrane activity (abst) 279
- s.-coupled* chloride transport
in microvillus membrane in dog (abst) 312
- dietary *s.*
effect on ²²Na rate efflux coefficient (abst) 322
- s.* excretion
calcium entry modulation in perfusion (abst) 307
- dopamine receptors in denervated kidney (abst) 311
- effect of aldosterone and corticosterone (abst) 323
- effect of clonidine in SHR (abst) 194
- effects of leukotrienes D4 and B4 (abst) 263
- s.-glucose* cotransport
amiloride inhibits in BBM (abst) 310
- s.* handling
increased binding of furosemide in diabetics (abst) .. 307
- s.* loading
asymmetrical responses (abst) 304
- s.* orthovanadate
action in kidney perfusion (abst) 301
- s.* pathways
DOCA regulation in tubule (abst) 319
- s.-potassium* pump
inhibition of activity in adapted goldfish (abst) 195
- s.* pump
inhibition in healthy subjects (abst) 194
- s.* reabsorption
and oxygen consumption and ATP synthesis (abst) .. 273
- arachidonic acid affects in dog (abst) 299
- s.* restriction
and antihypertensive drugs: effects on renal function
(abst) 193
- and converting enzyme inhibition in rat (abst) 298
- asymmetrical response (abst) 304
- s.* retention
role of angiotensin II and aldosterone (abst) 318
- s.* solute reabsorption
ANF inhibits in proximal tubules (abst) 306
- s.* transport
amiloride, effect of corticoid stimulation (abst) 263
- bilirubin (abst) 51
- cyclic AMP (abst) 25
- effect of vasopressin and bradykinin (abst) 321
- inhibition by amiloride, ouabain, and luminal sodium 886
- natriuretic factors in isolated tubules (abst) 263
- role of PTH and cAMP (abst) 113
- role of thiazides in turtle bladder (abst) 125
- sensitivity to ouabain in uremia (abst) 243
- s.* uptake
effects of lithium, amiloride, and quinidine (abst) ... 285
- urinary *s.*
effects of verapamil and hyphae (abst) 326
- Sodium bicarbonate reabsorption
effect of renal membrane activity 279
- s.b.* therapy
in lactic acidosis in dogs (abst) 139
- Sodium-hydrogen antiport
and PTH, cAMP mediated effect 287
- angiotensin II stimulation mediated by PGE₂ (abst) ... 254
- at BBM, interaction with individual antiporter (abst) ... 281
- chronic hypercapnia enhances V-max (abst) 289
- enhanced activity in proximal tubule (abst) 249
- enhanced by α₂-adrenergic agonist (abst) 317
- induces hypertrophy in proximal tubule (abst) 241
- PGE₂ as modulator in tubule cell (abst) 257
- pH dependency in LLC-PK₁ cells (abst) 285
- Sodium-hydrogen exchange
effect of quinidine, amiloride, and lithium (abst) 316

- Sodium ion
 NMR measures intracellular Na^+ (abst) 314
s.i. flux
 NMR measurement in proximal tubule (abst) 302
s.i. loading
 in 2-k, 1-c Goldblatt rat 731
 ^{22}Na rate efflux coefficient
 in medullary collecting tubule (abst) 322
 ^{23}Na -NMR
 to measure Na^+ and K^+ fluxes (abst) 302
s.i. reabsorption
 effects of amino acid infusion (abst) 272
s.i. transport
 corticosterone metabolite (abst) 269
s.i.-H exchange
 in LLC-PK1 cells (abst) 305
s.i.- K^+ -ATPase
 studies with monoclonal antibody (abst) 303
s.i.-PAH cotransport
 in rat basolateral membrane (abst) 328
- Sodium-potassium-ATPase
 along rat nephron after uninephrectomy 274
 effects of amiloride, ouabain, and luminal sodium 886
 in potassium dichromate-induced ARF (abst) 229
 modulation by dietary K^+ in absence of aldosterone
 (abst) 308
 regulation by ouabain (abst) 318
 three inhibitors in human plasma (abst) 193
- Solute clearance
 and ultrafiltration with varying dialysate temperatures
 (abst) 170
s. concentration
 and state of hydration in medulla (abst) 306
s. flux
 across tight junction in proximal tubule (abst) 307
s. loading
 and impaired urinary concentration mechanism 792
s. transport
 autoradiographic studies in toad bladder 726
 drop of osmolality in proximal tubules (abst) 336
 effect of unilateral nephrectomy in humans (abst) ... 251
- Sorbent
 recycling of ultrafiltrate in humans (abst) 172
- Sperker technique
 glomerular filtration marker (abst) 9
- Spontaneously hypertensive rat (SHR)
 biosynthesis of PGI_2 (abst) 256
- Staphylococcus aureus*
 in hemodialysis patients (abst) 160
- Star vessel pressure
 intra-animal coefficients for variation 871
- Steroid
 rejection treatment with cyclosporine (abst) 338
 adrenal *s.*
 effect on ammoniogenesis (abst) 271
 dialysance during CAPD (abst) 185
- Stop flow pressure
 and filtration rate in loop of Henle (abst) 293
- Streptococcus
s.-induced nephritis in rabbit (abst) 204
- Streptokinase
 renal vein thrombosis (abst) 599
 treatment for thrombosed AV fistulae (abst) 159
- Stroke death
 potassium prevents without lowering BP (abst) 201
- Subepithelial space
 effects of antibodies in rat 938
- Substrates, organic
 proximal tubule PAH secretion (abst) 336
- Succinate dehydrogenase
 bicarbonate inhibition and glutamate metabolism (abst). 275
- Sulfamethoxazole
 interaction with cyclosporin by chromatography (abst) . 343
- Sulindac
 accentuates renal ischemia during hemorrhage (abst) .. 295
 prostaglandins (abst) 66
- Suppressor cells
 donor-specific studies in allograft recipients (abst) 345
- Suppressor T cells
 nature of cyclosporine-induced tolerance (abst) 347
- Systemic lupus erythematosus (SLE)
 SLE overview (abst) 703
- α -TBM disease
 role of dietary protein restriction (abst) 240
- T cell
 hepatitis-B antigen and antibody (abst) 150
 $\text{Lyt } 2^+$ effector *t.c.*, L3T4^+ helper *t.c.*, and nephritis
 (abst) 217
 mediates ontologic tolerance to antigen (abst) 215
 phenotype in cytomegalovirus, allograft (abst) 224
 receptor in humans (abst) 106
 suppressor inhibits α -TBM nephritis in mice (abst) 219
T c. subset
 heart grafts (abst) 594
- T lymphocyte
 antibody-induced experimental glomerulonephritis
 (abst) 530
 cytotoxicity (abst) 593
 isolation and cloning in ESRD kidneys 210
- Tachyphylaxis
 on a vessel strip preparation 164
- Technetium-99M tin colloid
 diagnostic value in renal transplantation (abst) 351
- Tegretol
 interaction with cyclosporine (abst) 344
- Terbutaline
 induced hypokalemia and pulmonary edema (abst) 304
- Terminal complement components
 role in immune complex nephritis (abst) 209
t.c. pathway
 role in anti-GMB nephritis 643
- Tetraethylammonium
 transport in snake proximal tubule (abst) 325
 update in proximal tubule (abst) 335
- Thallium
 hyperkalemia causes low thyroid uptake (abst) 166
- Theophylline
 attenuates intrarenal vasoconstriction (abst) 227
 cyclic AMP (abst) 25
- Thermolysin
 activation of prokallikrein 630
- Thiazides
 disassociation between *t.* and ionizable plasma Ca
 (abst) 202
 role in calcium reabsorption and sodium transport in
 turtle bladder (abst) 125
- 3,3',5' Triiodothyronine
 uremia (abst) 95
- Thrombosis, renal vein

- evaluation in idiopathic nephrotic syndrome (abst) . . . 352
streptokinase (abst) . . . 599
- Thromboxane**
activation of platelet synthetase by human glomeruli . . 266
as indicator of allograft rejection (abst) . . . 257
causal role in allograft rejection (abst) . . . 257
effects of complement depletion (abst) . . . 216
in pulmonary hypertension (abst) . . . 158
increased production in murine lupus nephritis (abst) . . 214
inhibitors ameliorate hypertension in SHR (abst) . . . 198
- Thromboxane A₂**
antagonism and endotoxin-induced renal ischemia
(abst) . . . 227
glomerular function in gentamicin-treated rats (abst) . . 235
unmasking of . . . 892
- Thromboxane B₂**
increase formation by glomeruli in immune complex
glomerulonephritis (abst) . . . 267
prostaglandins (abst) . . . 66
stimulation in mesangium by platelet activating factor
(abst) . . . 267
- Thrombus, glomerular**
associated with cyclosporin therapy (abst) . . . 345
- Thymocyte sodium content**
²²Na efflux in rats (abst) . . . 190
- Thyroparathyroidectomy (TPTX)**
effects of vitamin D in TPTX hamster . . . 864
- Thyroxine**
protection in gentamicin-induced ARF (abst) . . . 230
- Ticarcillin**
reduces tobramycin nephrotoxicity (abst) . . . 231
- Tissue typing, HLA-DR**
in cadaveric kidneys (abst) . . . 345
- Tobramycin**
compared with netilmicin in ESRD (abst) . . . 146
nephrotoxicity reduced in ticarcillin (abst) . . . 231
- "Trade off" hypothesis**
in secondary hyperparathyroidism in uremia (abst) . . . 114
- Transepithelial transport**
bilirubin (abst) . . . 51
- Transferrin**
restores nephrotic serum in IgG synthesis (abst) . . . 225
- Transfusion, blood, donor-specific**
induction of immune alterations (abst) . . . 338
- Transmission electron microscopy**
of urinary sediment in aminoglycoside therapy (abst) . . 233
- Transplantation, cardiac**
cyclosporin (abst) . . . 595
rejection (abst) . . . 593
- Transplantation, liver**
new Canadian program (abst) . . . 595
outcome for patients with cirrhosis (abst) . . . 338
- Transplantation, pancreas**
p. duct anastomosis (abst) . . . 595
- Transplantation, renal**
abnormal catechol production in recipients (abst) . . . 203
as treatment for amyloidosis (abst) . . . 828
aseptic necrosis (abst) . . . 597
aseptic necrosis (abst) . . . 340
cadaveric *r.t.*, cyclosporin immunosuppression (abst) . . 597
cadaveric *r.t.*, psychosocial outcome (abst) . . . 600
carcinoembryonic antigen levels (abst) . . . 352
chemiluminescence (abst) . . . 594
course of CRF (abst) . . . 340
cushingoid and non-cushingoid (abst) . . . 459
cyclosporine to treat rejection (abst) . . . 342
cytomegalovirus infection (abst) . . . 596
donor matching and cellular immune response (abst) . . 220
donor-specific T cell reactivity (abst) . . . 596
dopamine (abst) . . . 96
effect on psychomotor development in infancy (abst) . . 348
erythrocytosis (abst) . . . 96
focal segmental glomerulosclerosis in children (abst) . . 442
from living, related-donor and quality of life (abst) . . . 341
HLA-D matching and outcome (abst) . . . 348
hypertension and decreased graft survival (abst) . . . 188
immune alterations with donor-specific blood trans-
fusion (abst) . . . 338
in children, cyclosporine as sole therapy (abst) . . . 350
living, related-donors and quality of life (abst) . . . 341
low-dose cyclosporine maintenance treatment (abst) . . 342
magnetic resonance imaging post *t.* (abst) . . . 340
Minnesota antilymphoblast globulin (abst) . . . 596
morphological changes in allograft . . . 800
outcome in peritoneal dialysis patients (abst) . . . 339
prednisolone pharmacokinetics (abst) . . . 459
risk factors and outcome (abst) . . . 347
role of fibrinogen in perfused kidney . . . 808
transfer of cytomegalovirus infection (abst) . . . 705
treatment with cyclosporine and azathioprine (abst) . . 341
treatment with recombinant interferon- α (abst) . . . 337
tubular function after living donor *r.t.* (abst) . . . 346
use of cyclosporin (abst) . . . 704
- Transplantation, spleen**
suppressor cells (abst) . . . 595
- Transport mechanisms**
morphological insights (abst) . . . 102
- Transport systems**
effects of benzyl alcohol and octanol (abst) . . . 324
- Transtubular transport**
mediates proximal tubular cyst formation (abst) . . . 205
- Trifluoperazin**
role in phosphate uptake (abst) . . . 118
- Triiodothyronine (T3)**
effect on brush border membrane in cortex (abst) . . . 277
role in nitrogen metabolism in CRF (abst) . . . 246
- Trypsin**
as activator of prokallikrein . . . 630
effect on 3H-phenamil binding to toad bladder (abst) . . 308
- TSH**
response to TRH stimulation on CAPD (abst) . . . 182
- Tubular obstruction**
acute renal failure (abst) . . . 517
- Tubule**
biochemistry during alkalosis in dog . . . 908
chloride transport and bicarbonate absorption (abst) . . 304
differences in hypoxic and ischemic injury (abst) . . . 231
effects of Pichinde virus infection (abst) . . . 301
Na-H antiport angiotensin II stimulation mediated by
PGE₂ (abst) . . . 254
natriuretic factors in Na transport (abst) . . . 263
NMR spectroscopy in immobile *t.* (abst) . . . 276
sodium delivery in perfusion (abst) . . . 309
collecting *t.*
after nephrectomy . . . 636
bicarbonate reabsorption with obstructed kidneys
(abst) . . . 284
effect of calcium ion and cAMP concentration (abst) . . 335
intercalated cells . . . 636
principal cells . . . 636

- cortical collecting *t.*
 bradykinin inhibits ADH-induced fluid absorption in
 rabbit (abst)..... 264
 cAMP stimulated bicarbonate secretion (abst)..... 288
 comparison by microperfusion (abst)..... 317
 effects of cAMP, forskolin, and isobutyl methyl
 xanthine (abst)..... 332
 effects of vasopressin and bradykinin (abst)..... 321
 flow rate and hydraulic conductivity with arginine
 vasopressin (abst)..... 325
 hormone regulation of chloride transport (abst)..... 321
 interaction of PGE₂ and vasopressin (abst)..... 332
 interactions of cholera toxin, forskolin, and PGE₂
 (abst)..... 331
 K deficiency, vasopressin, and adenylate cyclase
 (abst)..... 327
 K⁺ secretion in newborn rabbit (abst)..... 319
 potassium secretion..... 886
 purinergic regulation of conductivity (abst)..... 325
 role of HCO₃⁻ and P_{CO}₂ on acidification..... 278
 two types of mitochondria-rich cells..... 288
 vasopressin stimulates rubidium secretion (abst)..... 320
- distal *t.*
 action of vasopressin and forskolin on adenylyate cy-
 clase (abst)..... 333
 bicarbonate reabsorption, effect of low K diet (abst)..... 279
 effects of acid loading and amiloride (abst)..... 284
 effects of cisplatin..... 842
 culture of isolated renal *t.* in rabbit (abst)..... 267
 potential difference in early *d.t.* in rat..... 622
- distal convoluted *t.*
 comparison by microperfusion..... 317
 K and Cl permeability (abst)..... 322
- Malpighian *t.*
 endoplasmic reticulum as transcellular route (abst)..... 323
- medullary collecting *t.*
 cAMP and control of PGE₂ (abst)..... 253
 effects of dietary Na and K (abst)..... 322
 role of Ca and PGE₂ in cAMP synthesis (abst)..... 335
- papillary collecting *t.*
 bradykinin increases release of inositol
 polyphosphates (abst)..... 265
 differences in PGE₂ synthetic capacity in Dahl rats
 (abst)..... 199
- proximal *t.*
 albumin activities (abst)..... 331
 α2-adrenergic agonist enhances Na-H antiport (abst)..... 317
 ammonia production, effect of metabolic acidosis
 (abst)..... 286
 ANF inhibits Na-coupled solute reabsorption (abst)..... 306
 anoxic injury (abst)..... 106
 basolateral endocytosis of protein (abst)..... 39
 β-catecholamine cAMP system (abst)..... 261
 cell injury in short-term anoxia..... 275
 cell volume maintenance (abst)..... 328
 change of luminal pH, P_{CO}₂ and HCO₃⁻ (abst)..... 287
 citrate reabsorption (abst)..... 270
 comparison of mesonephric and metanephric *p.t.*
 (abst)..... 322
 control of PAH secretion (abst)..... 336
 culture of cells and renal transport (abst)..... 314
 dopamine histofluorescence (abst)..... 3
 drop in osmolality reduces solute transport (abst)..... 336
 effect of age on lysosome absorption and proteinase
 activity (abst)..... 331
 effect of α2-adrenergic inhibition (abst)..... 333
 effect of gramicidin on cytosolic ion activity (abst)..... 315
 effect of respiratory acidosis on intracellular pH
 (abst)..... 290
 electrical heterogeneity of amphiuma *p.t.* (abst)..... 309
 energy sources for reabsorption..... 848
 enhanced Na-H antiport after unilateral nephrectomy
 (abst)..... 249
 flow rate and adaptation in perfusion (abst)..... 311
 fluid reabsorption mediated by PGE₂ (abst)..... 321
 fluid secretion by shark (abst)..... 319
 flux across fibre matrix tight junction (abst)..... 307
 H⁺/OH⁻ permeability (abst)..... 283
 interspace NaCl concentration (abst)..... 318
 intracellular alkalization in tiger salamander (abst)..... 288
 morphology after single nephron obstruction..... 231
 Na-Ca exchange inhibitors (abst)..... 334
 Na-H antiport induces hypertrophy in renal patient
 (abst)..... 241
 Na⁺ and K⁺ fluxes in rabbit (abst)..... 302
 NADPH (abst)..... 401
 NMR measurement of Na⁺ (abst)..... 314
 N¹-methylnicotinamide and tetraethylammonium
 transport (abst)..... 325
 organic base transport in BBM vesicles (abst)..... 330
 PGE₂ as modulator of Na-H antiport (abst)..... 257
 phosphate transport in superficial and juxtamedullary
 nephrons..... 879
 protein modulates NaCl absorption (abst)..... 303
 receptors for insulin-like growth factors (abst)..... 272
 role of cell membranes and diffusion barriers in wa-
 ter flow (abst)..... 332
 salicylate reabsorption (abst)..... 333
 study by voltammetric microelectrode (abst)..... 330
 study of PAH transport (abst)..... 331
 tetraethylammonium uptake (abst)..... 335
 thyroid hormones (abst)..... 94
 time course of SITS effect (abst)..... 277
 transcellular chloride absorption (abst)..... 302
 transport-dependent cell injury (abst)..... 238
 utilization of fatty acids (abst)..... 275
 X-ray analysis (abst)..... 319
- proximal straight *t.*
 intracellular pH regulation (abst)..... 286
- renal *t.*
 cellular action of arginine vasopressin (abst)..... 328
 site of adenosine receptors (abst)..... 255
- Tubulo-glomerular feedback
 defective control in Milan hypertensive rat (abst)..... 292
 effect of dietary protein (abst)..... 299
 in hypertensive Milan strain rat (abst)..... 298
 in pregnant rat (abst)..... 292
- Tyrosine
 effects on CRF (abst)..... 249
- U937 cells
 binding of immunoglobulin aggregates (abst)..... 218
- Ultrafiltrate
 sorbent recycling in humans (abst)..... 172
- Ultrafiltration
 impairment with acetate solutions from France (abst)..... 182
 peritoneal *u.* increased by amphotericin B (abst)..... 182
 solute clearance with varying dialysate temperatures
 (abst)..... 170
 spectrum and pathogenesis of *u.* failure among CAPD

- (abst)..... 181
- whole body *u.*, implications for Na and U modeling (abst)..... 162
- with hyponatremia and reduced peripheral resistance (abst)..... 170
- u.* barrier
- influence of albumin concentration (abst)..... 294
- Ultrasonography
- pre-natal diagnosis of kidney disorders (abst)..... 600
- renal biopsy, Technical Note on..... 80
- Ultrasound-duplex scanning
- to diagnose AV vascular access complications (abst) .. 177
- Uninephrectomy
- Na-K-ATPase along the rat nephron (abst)..... 274
- study of renal function and morphology in UNX rats (abst)..... 242
- Unilateral renal artery stenosis
- ^{99m}Tc-DTPA flow studies with CEI (abst)..... 196
- Urapidyl
- putative central effects of *u.* and prazosine in rats (abst)..... 201
- Urate excretion
- and urinary PAH in anesthetized rabbit (abst)..... 325
- Urea
- permeability (abst)..... 411
- time average concentration predicts morbidity (abst).... 166
- u.* kinetics
- not a single pool in hemodialysis (abst)..... 165
- u.* mass transfer
- implications for Na and U modeling (abst)..... 162
- u.* permeability
- bilirubin (abst)..... 51
- u.* transport
- analysis of *u.t.* and brush border water (abst)..... 336
- bilirubin (abst)..... 51
- Uremia
- adrenergic dysfunction (abst)..... 247
- carbohydrate metabolic control (abst)..... 95
- dialysis (abst)..... 97
- effect of verapamil on calcium metabolism..... 774
- glycolytic activity in erythrocytes and glucose intolerance (abst)..... 243
- indomethacin inhibits prostaglandin E2 (abst)..... 233
- influence of ouabain on Na transport (abst)..... 243
- lipid stores and protein modulation in rat (abst)..... 251
- postbinding defects of insulin action..... 780
- serum triglyceride-rich lipoproteins (abst)..... 420
- "trade off" hypothesis in secondary hyperparathyroidism (abst)..... 114
- treatment with ketoanalogs of amino acids (abst)..... 829
- chronic *u.*
- cell-mediated immunity in mice (abst)..... 211
- cerebral mitochondrial calcium concentrations (abst). 523
- effect of cyclophosphamide on skin hypersensitivity (abst)..... 210
- heart rate (abst)..... 95
- Uremic toxins
- removal by biliary diversion (abst)..... 243
- Ureter obstruction, unilateral
- effect of platelet activating factor on prostaglandin (abst)..... 269
- Ureteral ligation
- effects of imidazole and indomethacin..... 892
- u.* obstruction
- effects of angiotensin converting enzyme inhibitor (abst)..... 293
- Urinary albumin
- role insulin-dependent diabetes mellitus (abst)..... 135
- Urinary assay
- to detect proximal tubular injury (abst)..... 151
- Urinary concentrating mechanism
- defective in chronic glomerulonephritis..... 792
- Urinary NAG
- response to two osmotic diuretics in dog (abst)..... 151
- Urinary sediment
- by TEM in aminoglycoside therapy (abst)..... 233
- Urinary tract
- infections in post-menopausal women..... 150
- Urine
- blood P_{CO₂} gradients, negative levels (abst)..... 283
- calcium excretion (abst)..... 96
- isolation of epoxyeicosatrienoic acid (abst)..... 268
- ova excretion in..... 667
- potassium excretion, Editorial Review on..... 389
- protein/albumin excretion (abst)..... 94
- u.* creatinine
- ratio with urine protein to assess proteinuria (abst) .. 130
- u.* oxalate
- measurement by gas chromatography and mass spectrometry (abst)..... 126
- u.* protein
- ratio with urine creatinine to assess proteinuria (abst)..... 130
- Uropathy, obstruction
- acidification defect..... 187
- Valine
- accelerated oxidation in ARF (abst)..... 273
- effects on CRF (abst)..... 249
- Vanadate
- potentiates gentamicin nephrotoxicity (abst)..... 231
- Vancomycin
- absorption in HD patients with colitis (abst)..... 163
- Vascular function, renal
- α -adrenoceptor effects (abst)..... 301
- Vascular reactivity
- effect of protein loading (abst)..... 245
- Vascular response
- to vasoconstrictors during pregnancy in rat (abst)..... 294
- Vasculature, renal
- effect of dopamine-4-sulfate (abst)..... 292
- Vasculitis, renal
- Nephrology Forum on..... 954
- Vasoconstriction
- reversal by diltiazem (abst)..... 296
- theophylline attenuates intrarenal v. (abst)..... 227
- Vasoconstrictor
- effects on TXA₂ by imidazole..... 892
- vascular response in pregnant rat (abst)..... 294
- Vasodilation, renal
- depends on atriopeptin-induced natriuresis (abst)..... 294
- Vasopressin
- action of PGE₂ in cortical collecting tubule (abst)..... 332
- action on adenylate cyclase in distal tubules (abst)..... 333
- and cAMP synthesis in medullary collecting tubule (abst)..... 335
- antibody (abst)..... 597
- bilirubin..... 51
- effect of calcium ion in cAMP concentration (abst).... 335
- effect of protein kinase C in toad bladder (abst)..... 334

- effect on Ca^{2+} levels in mesangium (abst) 323
 effect on Na and K transport (abst) 321
 effects of K deficiency and adenylate cyclase (abst) ... 327
 effects of water flow and inhibition of PGE_2 (abst) 329
 effects of water flow and luminal membrane and
 cytosol (abst) 324
 effects on water flow and maleic acid (abst)..... 328
 interaction with monoclonal antibodies (abst) 336
 long-term effects on renal function (abst) 326
 nephrotic patients (abst) 598
 role in diuresis in hypertension (abst)..... 202
 role of increased renal arterial pressure (abst) 192
 stimulates rubidium secretion in tubule (abst) 320
 use in rats with congestive heart failure (abst) 337
 water flow (abst) 512
 with cAMP, prostaglandins, and phospholipids in toad
 bladder (abst) 264
 plasma *v.*
 role in abnormal water excretion in congestive heart
 failure (abst) 133
 platelet *v.*
 role in abnormal water excretion in congestive heart
 failure (abst) 133
v. secretion
 stimulated in vitro PGE_2 , PGD_2 , and arachidonic
 acid (abst) 255
v. tannate
 untreated severe hyponatremia (abst) 323
 Vasopressinase
 effects with diabetes insipidus (abst)..... 326
 Vein, basilic
 elevated *b.v.* AV fistula instead of PTFE graft (abst) .. 164
 Velocity of circumferential fiber shortening
 differences in acetate or bicarbonate HD (abst) 768
 Vena cava constriction
 infusion of saralasin in dog (abst) 312
 Ventricular function, left
 effects of acetate and bicarbonate HD 768
 fractional shortening in HD 768
 Verapamil
 blocks PTH-induced decrease in cAMP (abst) 127
 effect after warm ischemia in perfused kidney (abst) ... 229
 effects of myocardial energy metabolism 718
 effects on calcium metabolism in CRF 774
 effects on urinary sodium and hypaque (abst) 326
 exaggerated glomerular response by SHR (abst) 200
 protective effects with ischemia (abst) 348
 renal function during cisplatin treatment (abst) 236
 Verotoxin-producing *E. coli*
 association with idiopathic hemolytic uremic syndrome
 (abst)..... 131
 Vessel strip
 tachyphylaxis in preparation of *v.s.* (abst) 164
 VIP
 messenger for cAMP-dependent luminal alkalinization
 (abst)..... 278
 Virus infection, Pichinde
 effect on guinea pig hemodynamics (abst) 301
 insensible water loss and water balance (abst) 333
 role of adrenal glands and electrolyte imbalance (abst) . 314
 Vitamin
 v.-induced hypercalcemia and acute renal failure (abst). 230
 Vitamin D ($1,25(\text{OH})_2\text{D}_3$)
 aluminum (abst) 599
 and hypercalcemia and ARF-rhabdomyolysis (abst) ... 226
 early renal failure (abst)..... 565
 effect of aluminum on calcium absorption (abst) 120
 effect on phosphatidylcholine transfer (abst) 119
 effects on calcium, magnesium, and phosphate in ham-
 ster 864
 extrarenal synthesis in sarcoidosis (abst) 119
 interrelationship with bone GLA-protein and PTH in
 renal failure (abst) 137
 renal compensatory hypertrophy (abst) 598
 uremia (abst) 97
v. D metabolism
 role in spontaneous hypercalciuria (abst) 128
v. D metabolites
 effect of long-term phosphate and protein restriction
 (abst)..... 128
v. D receptor
 role of phospholipids and fatty acids (abst)..... 112
v. D synthesis
 effect of chronic metabolic acidosis (abst) 120
 V-max
 chronic hypercapnia enhances NA-H antiporter..... 289
 Voltage conductance
 in neuroblastoma cells (abst)..... 316
 Voltage regulation
 of carbonic anhydrase acidification (abst)..... 287
 Volume expansion
 effect on proximal straight tubule reabsorption rates
 (abst)..... 123
 in hyporenin/hypoaldosteronism (abst) 285
 in sodium-restricted rat (abst) 298
v. flux
 across tight junction in proximal tubule (abst) 307
v. regulation
 calcium and K^+ permeability in toad bladder (abst) .. 305
 dependence on ADH in thick ascending limb (abst) .. 327
v. repletion
 effects after nephrectomy (abst) 305
 Water balance
 and insensible water loss in Pichinde virus (abst) 333
 Water content
 and cell volume regulation in rats (abst)..... 190
 Water excretion, impaired
 in nephrotic syndrome (abst)..... 154
 nephrotic patients (abst) 598
 Water flow
 effects of PGE_2 and vasopressin (abst) 329
 effects of vasopressin and maleic acid (abst) 328
 effects of vasopressin on luminal membrane and
 cytosol (abst) 324
 prostaglandins and kinins (abst) 512
 role of cell membranes and diffusion barriers (abst) ... 332
 role of protein kinase C in toad bladder (abst)..... 333
 Water immersion
 renal response in non-excretor cirrhotic patients (abst). 148
 Water permeability
 of basolateral membrane (abst) 334
 Water transport
 bilirubin (abst) 51
 morphological insights (abst) 102
 Wegener granulomatosis
 ACPA as a marker (abst)..... 704
 antibodies to granulocyte cytoplasm marker (abst) 224
 with severe glomerulonephritis (abst) 156
 WR-2721